HISTORY

Model Name : KDL-40/46/52W4500
SERVICE MANUAL

Click on Page Number to display detail of changes.

Date	Part Number	Description of Revisions	Version
2008.08	9-927-586-01	Original Manual.	1.0

Self Diagnosis
Supported model

SERVICE MANUAL

EG1L CHASSIS

MODEL	DEST
KDL-40W4500	AEP/UK
KDL-46W4500	AEP/UK
KDL-52W4500	AEP/UK

RM-ED011

FLAT PANEL COLOR TV

SONY®

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WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED ⚠ ON THE EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

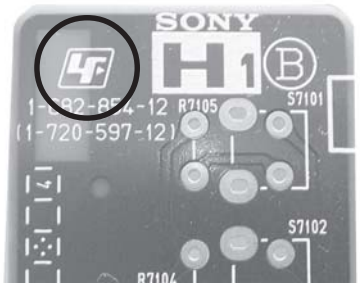
SECTION 1 GENERAL

CAUTION

Lead Free Soldered Boards

The circuit boards used in these models have been processed using Lead Free Solder. The boards are identified by the LF logo located close to the board designation e.g. H1 etc [see example]. The servicing of these boards requires special precautions to be taken as outlined below.

example



Lead Free Solder material must be used to comply with environmental requirements of new solder joints. Lead Free Solder is available under the following part numbers :

Partnumber	Diameter	Remarks
7-640-005-19	0.3mm	0.25Kg
7-640-005-20	0.4mm	0.50Kg
7-640-005-21	0.5mm	0.50Kg
7-640-005-22	0.6mm	0.25Kg
7-640-005-23	0.8mm	1.00Kg
7-640-005-24	1.0mm	1.00Kg
7-640-005-25	1.2mm	1.00Kg
7-640-005-26	1.6mm	1.00Kg

Due to the higher melting point of Lead Free Solder the soldering iron tip temperature needs to be set to 370 degrees centigrade. This requires soldering equipment capable of accurate temperature control coupled with a good heat recovery characteristics.

For more information on the use of Lead Free Solder, please refer to *http://www.sony-training.com*

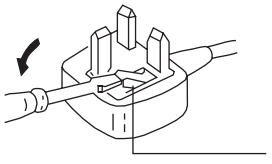
UK PLUG WARNING

WARNING (UK Models only)

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of the correct rating for the set. Should the fuse need to be replaced, use a fuse of the same rating approved by ASTA to **BS 1362**, ie one that carries the ASTA mark.

IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET.

When an alternative type of plug is used, it should be fitted with the correct rating fuse, otherwise the circuit should be protected by the same rating fuse at the distribution board.



How to replace the fuse.
Open the fuse compartment with a screwdriver blade and replace the fuse.

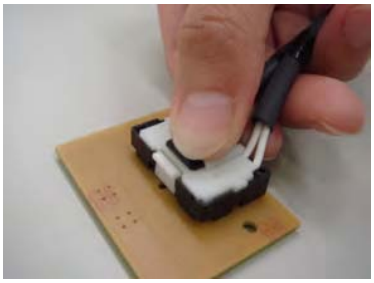
Attachment of HIROSE MDF 61 connector

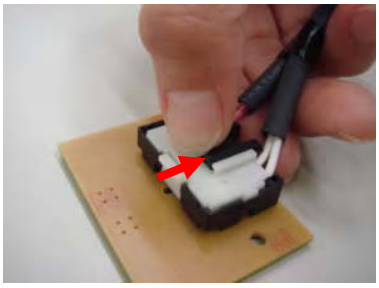
1. Insertion

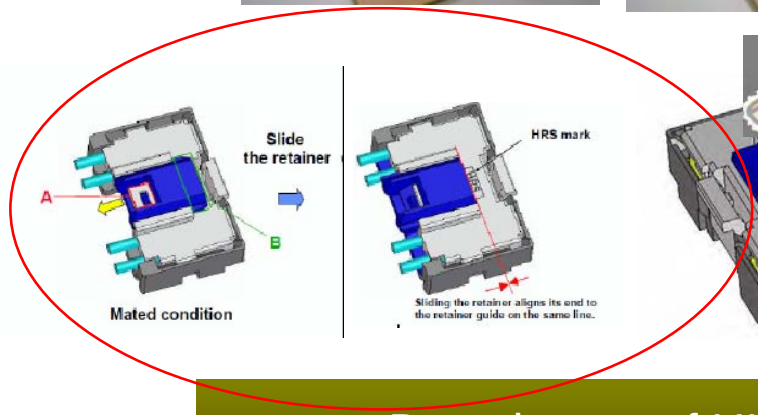
(1) Hold the center of a connector

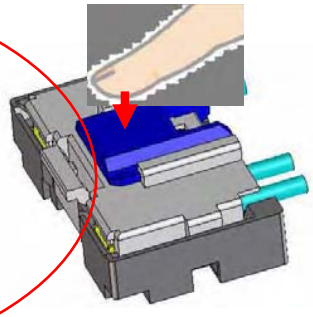
(2) Press the center of the connector to insert it

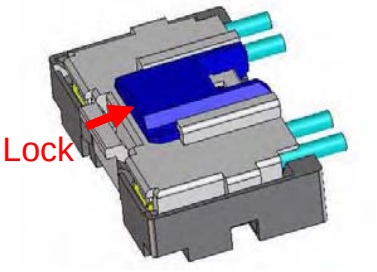
(3) Slide the slider to lock the connector









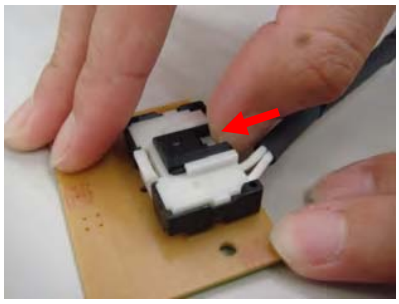


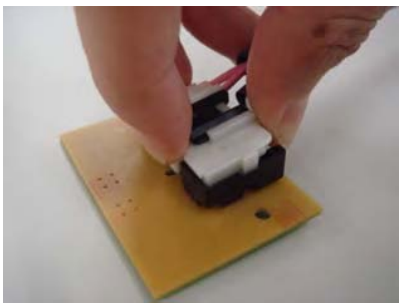
Detachment of HIROSE MDF61 connector

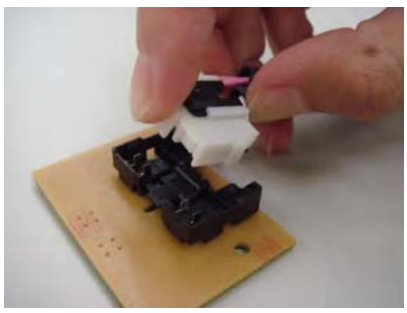
2. Detachment

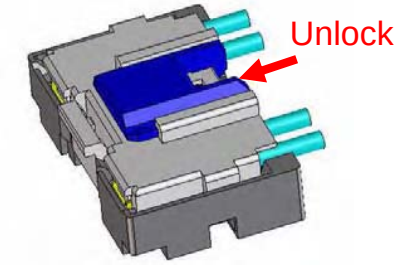
(1) Slide the slider to release the slider lock

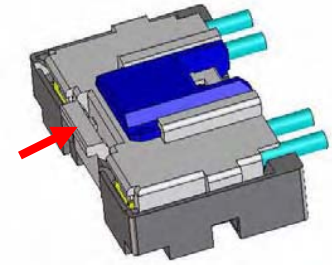
(2) Press the center lock tab to release the lock and pull the connector up

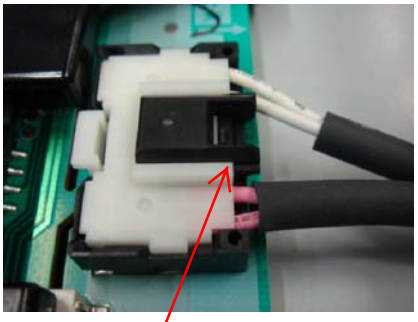












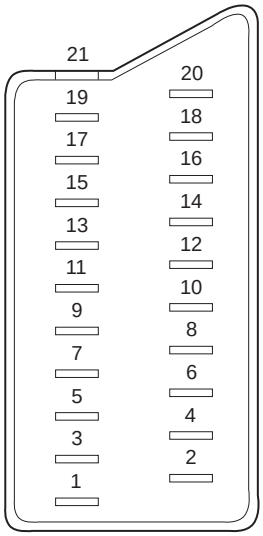
SPECIFICATIONS

Television System	Channel Coverage	Colour/Video System
Analogue: Depending on your country/region B/G/H, D/K, L, I Digital: Depending on model DVB-T/DVB-C	Analogue: VHF : E2-E12 UHF : E21-E69 CATV : S1-S20 HYPER : S21-S41 D/K: R1-R12, R21-R69 L: F2-F10, B-Q, F21-F69 I: UHF B21-B69 Digital: VHF/UHF	Analogue: PAL, SECAM NTSC 3.58/4.43 (VIDEO IN) Digital: MPEG-2 MP@ML/HL, H.264/MPEG-4 AVC HP@L4.0, MP@L3.0

Input/Output Terminals [REAR]		**General Specifications**	
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Power Requirements	220 - 240V
		Power Consumption/ Standby	(40 inches): Approx 205W/0.2W (Home/Standard mode) Approx 234W/0.2W (Shop/Vivid mode) (46 inches): Approx 256W/0.2W (Home/Standard mode) Approx 282W/0.2W (Shop/Vivid mode) (52 inches): Approx 257W/0.2W (Home/Standard mode) Approx 293W/0.2W (Shop/Vivid mode)
2: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB and S Video. Outputs of Video and Audio signals (Selectable). SmartLink interface.	Dimensions	(40 inches): Approx 986x684x279mm (With stand) Approx 986x646x110mm (Without stand) (46 inches): Approx 1120x782x307mm (With stand) Approx 1120x742x115mm (Without stand) (52 inches): Approx 1262x871x347mm (With stand) Approx 1262x829x119mm (Without stand)
		Weight	Approx 23.0kg (40 inches with stand) Approx 19.5kg (40 inches without stand) Approx 31.0kg (46 inches with stand) Approx 26.5kg (46 inches without stand) Approx 39.5kg (52 inches with stand) Approx 33.0kg (52 inches without stand)
Component In	Supported formats: 1080p, 1080i, 720p, 576p, 576i, 480p, 480i Y: 1 Vp-p, 75 ohms, 0.3 negative sync PB/CB: 0.7 Vp-p, 75 ohms PR/CR: 0.7 Vp-p, 75 ohms	Other Features	High Picture & Sound Quality, Bravia Sync, Full HD Resolution 1920x1080, XMB, Live Colour Creation / WCG-CCFL Backlight, High Dynamic Contrast Ratio, USB Input, 3 HDMI inputs, PC input, New S-Force, PAP, MPEG Noise Reduction, Digital Media Port, Radio Screen Saver, Picture Frame Mode, 24P True Cinema, PAP, PIP Freeze, Photo Map.
HDMI Inputs	Video: 1080/24p, 1080p, 1080i, 720p, 576p, 576i, 480p, 480i Audio: Two channel linear PCM 32, 44.1 and 48kHz, 16, 20 and 24 bits Analogue audio: 500mVrms, (HDMI IN 2 only)		
PC Input	Video:15 Pin D Sub Connector Audio: Minijack	**Sound Output**	
DMPORT	Digital Media Port	Right and Left speaker	2 x 10W (RMS)
Digital Out	Digital Optical Jack Audio Output: Phono jack		
LAN	10BASE-T/100BASE-TX connector		
CAM	Conditional Access Module Slot		
Input/Output Terminals [SIDE]		**Remote control system : Infrared control**	
Headphone jack	Stereo mini jack	Power requirements	3V dc 2 batteries IEC designation R06 (size AA)
Audio input	Phono jacks		
Video input	Phono jack		
USB input	USB port		
HDMI input	HDMI Connector		
Design and specifications are subject to change without notice.			

CONNECTORS

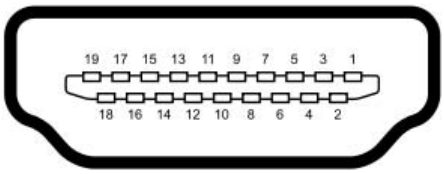
21 Pin Connector (SCART)



Pin No	1	2	Signal	Signal level
1	○	○	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	○	○	Audio input B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	○	○	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	○	○	Ground (audio)	
5	○	○	Ground (blue)	
6	○	○	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	○	○	Blue input	0.7 +/- 3dB, 75 ohms positive
8	○	○	Function select (AV control)	High state (9.5-12V) : Part mode Low state (0-2V) : TV mode Input impedence : More than 10K ohms Input capacitance : Less than 2nF
9	○	○	Ground (green)	
10	●	○	AVlink	
11	○	○	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	●	●	Open	
13	○	○	Ground (red)	
14	○	○	Ground (blanking)	
15	○	○	Red input	0.7 +/- 3dB, 75 ohms, positive
	-	-	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	○	○	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17	○	○	Ground (video output)	
18	○	○	Ground (video input)	
19	○	○	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	○	○	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	-	-	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	○	○	Common ground (plug, shield)	

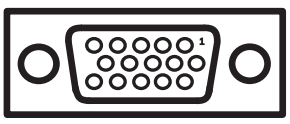
○ Connected ● Not Connected (open) * at 20Hz - 20kHz

HDMI Connector



Pin No	Signal Assignment	Pin No	Signal Assignment
1	TMDS Data2+	11	TMDS Clock Shield
2	TMDS Data2 Shield	12	TMDS Clock-
3	TMDS Data2-	13	CEC
4	TMDS Data1+	14	Reserved (N.C. on device)
5	TMDS Data1 Shield	15	SCL
6	TMDS Data1-	16	SDA
7	TMDS Data0+	17	DDC/CEC Ground
8	TMDS Data0 Shield	18	+5V Power
9	TMDS Data0-	19	Hot Plug Detect
10	TMDS Clock+		

15 Pin D Sub Connector (PC)



Pin No	Signal Assignment	Pin No	Signal Assignment
1	Red Out	9	+5V DC
2	Green Out	10	Sync Return (Ground)
3	Blue Out	11	Monitor ID0 in Display
4	Unused	12	DCC Serial Data
5	Ground	13	Horizontal Sync
6	Red Return	14	Vertical Sync
7	Green Return (Ground)	15	DCC Serial Clock
8	Blue Return (Ground)		

EG1L SELF DIAGNOSTIC SOFTWARE

The identification of errors within the EG1L chassis is triggered in one of two ways :- 1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted).

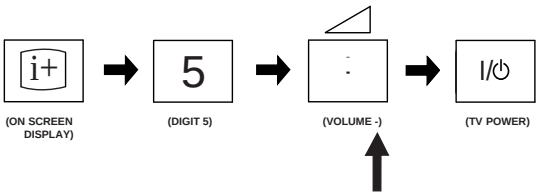
LED Error Codes and Descriptions

Number of LED Flashes	Error Description	Micro	Checked	Action
02	DC_DET (12V main voltage).	VERD	In normal mode.	Goes into standby and LED flashes.
06	Panel Det error.	VERD	In normal mode.	Goes into standby and LED flashes.
07	Internal temperature error.	VERD	In normal mode.	Goes into standby and LED flashes.
08	Audio error (SP protection).	VERD	In normal mode.	Goes into standby and LED flashes.
10	Digital error.	VCT	In normal mode.	Adds error to error menu.
11	NVM error.	VCT	In initialisation state.	Adds error to error menu.
12	I2C error VCT.	VCT	In normal mode.	Adds error to error menu.
13	Balancer error.	VERD	In normal mode.	Goes into standby and LED flashes.
14	HDMI error.	VCT	In initialisation state.	Adds error to error menu.
15	Tuner Error	VCT	In initialisation state.	Adds error to error menu.
16	I2C CH1 (VERD TAS).	VERD	Factory mode.	LED error.
17	I2C CH0 (VERD NVM/RTC).	VERD	Factory mode.	LED error.
18	Digital demod.	EMMA	In normal mode.	Adds error to error menu.
19	USB error	EMMA	In normal mode.	Adds error to error menu.
20	CI error	EMMA	In normal mode.	Adds error to error menu.
21	VCT error	VERD	In normal mode.	LED error.
22	MSP error.	VCT	In initialisation state.	Adds error to error menu.

Self Diagnostic Screen Display

To bring up the self diagnostic screen display

In standby mode, press the following sequence of buttons in quick succession on the remote commander as shown below:

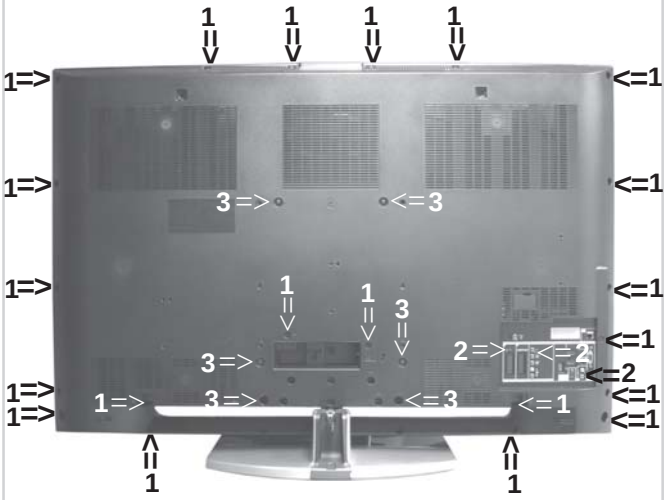


Note that this differs from entering the service mode (volume [+])

The following menu appears as shown below:

SECTION 2 DISASSEMBLY

2-1. Rear Cover Removal

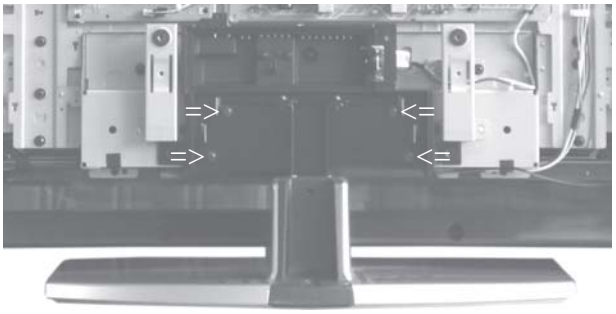


Remove the rear cover fixing screws indicated and pull the rear cover gently backwards away from the back of the TV set.

Screw Part number(s) and Description(s)

1) 2-580-640-01 SCREW, +BVTP2 4X16 (21 Screws)
2) 7-685-648-79 SCREW, +BVTP 3X12 TYPE2 IT-3 (3 Screws)
3) 2-580-608-01 SCREW, +PSW M5X16 (6 Screws)

2-2. Stand Removal

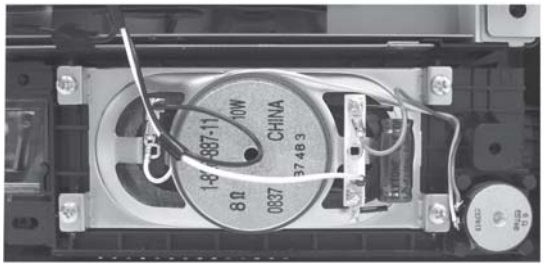


Remove the 4 stand fixing screws as indicated.

Screw Part number(s) and Description(s)

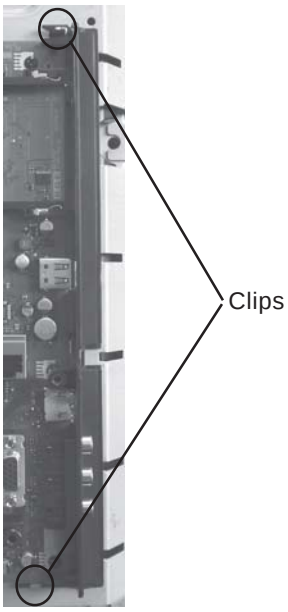
2-580-608-01 SCREW, +PSW M5X16 (4 Screws)

2-3. Loudspeaker Removal



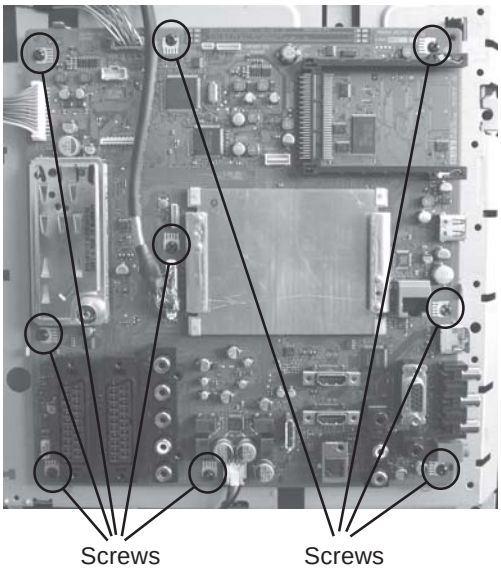
To remove the loudspeaker disconnect the speaker cables and then pull the loudspeaker gently backwards away from the back of the TV set.

2-4. Side Jack Bracket Assy Removal



To remove the side jack bracket assy release the 2 clips circled.

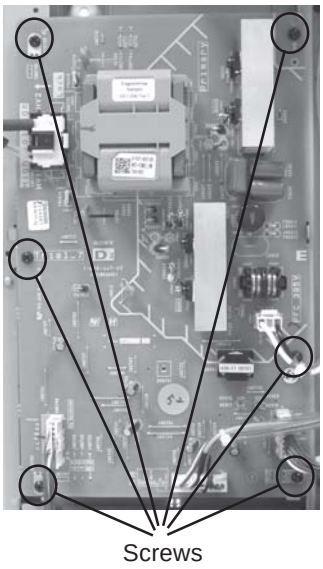
2-5. BGE Board Removal



To remove the BGE board disconnect all connectors and then remove the 9 screws circled and ease the board gently away from the back of the TV set.

Screw Part number(s) and Description(s)
2-580-629-01 SCREW, +BVST 3X8 (9 Screws)

2-6. D4 Board Removal (52 inches)

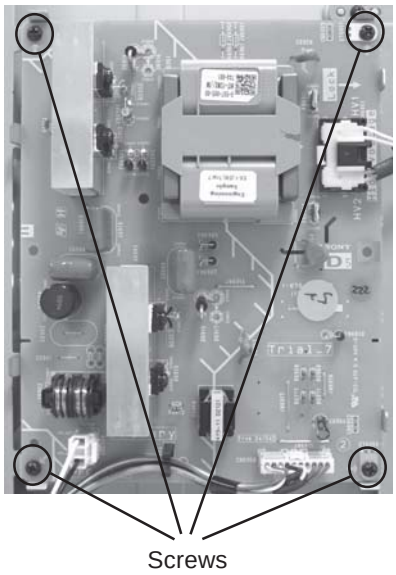


To remove the D4 board disconnect all connectors and then remove the 6 screws circled and ease the board gently away from the back of the TV set.

Note: Refer to page 4 - Hirose MDF61 connector.

Screw Part number(s) and Description(s)
2-580-629-01 SCREW, +BVST 3X8 (6 Screws)

2-7. D5 Board Removal (52 inches)

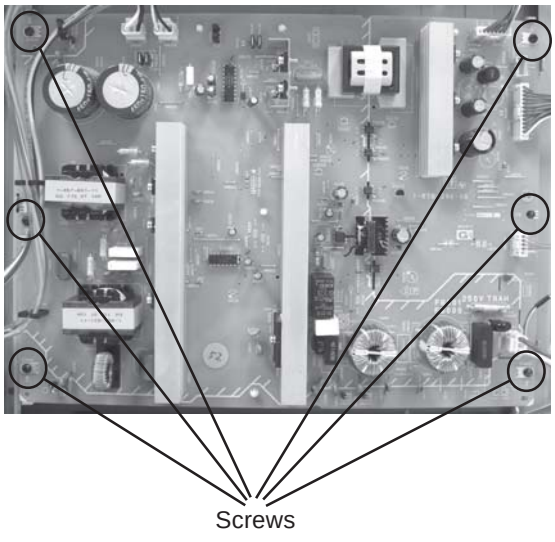


To remove the D5 board disconnect all connectors and then remove the 4 screws circled and ease the board gently away from the back of the TV set.

Note: Refer to page 4 - Hirose MDF61 connector.

Screw Part number(s) and Description(s)
2-580-629-01 SCREW, +BVST 3X8 (4 Screws)

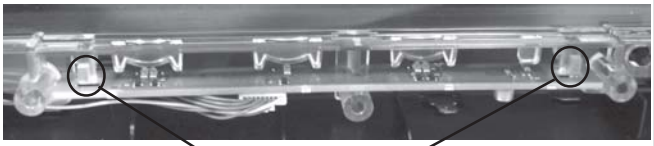
2-8. G5 Board Removal (52 inches)



To remove the G5 board disconnect all connectors and then remove the 6 screws circled and ease the board gently away from the back of the TV set.

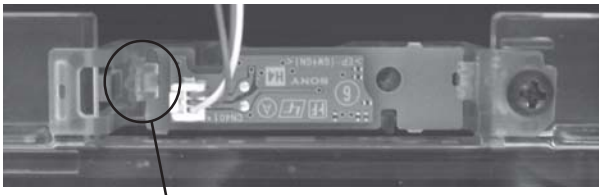
Screw Part number(s) and Description(s)
2-580-629-01 SCREW, +BVST 3X8 (6 Screws)

2-9. H3E Board Removal



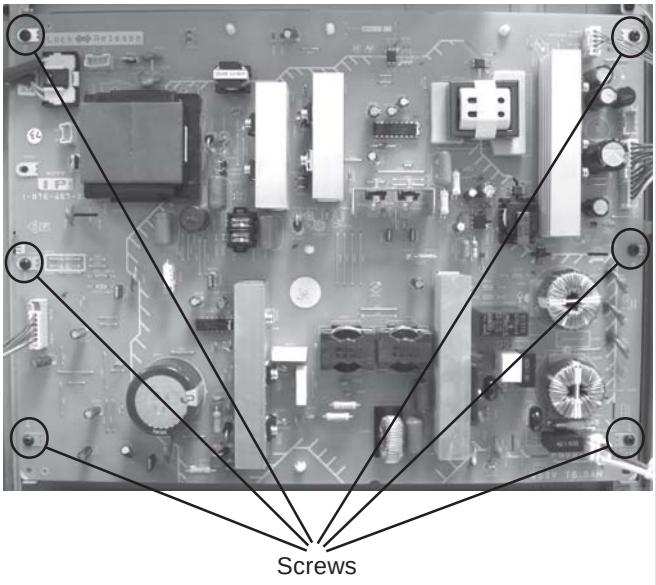
To remove the H3E board disconnect the connector and then release the clips circled and gently ease the board towards you and away from the back of the TV set.

2-10. H4 Board Removal



To remove the H4 board disconnect the connector and then release the clip circled and ease the board gently towards you and away from the back of the TV set.

2-11. IP5 Board Removal (40/46 inches)



To remove the IP5 board disconnect all connectors and then remove the 6 screws circled and ease the board gently away from the back of the TV set.

Note: Refer to page 4 - Hirose MDF61 connector.

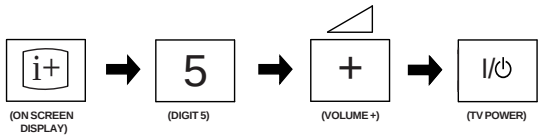
Screw Part number(s) and Description(s)
2-580-629-01 SCREW, +BVST 3X8 (6 Screws)

SECTION 3 SERVICE MENUS

3-1. How to enter the Service Mode

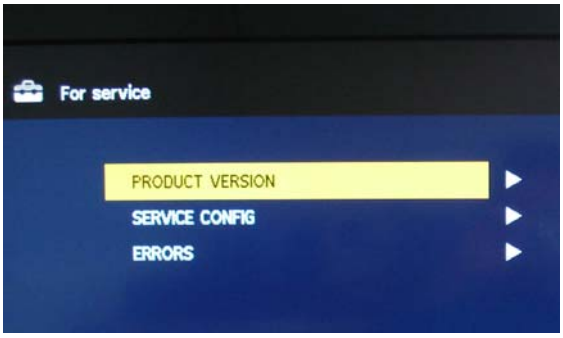
Service adjustments to this model can be performed using the supplied Remote Commander RM-ED011.

1. Turn on the power to the TV set and enter into the stand-by mode.
2. Press the following sequence of buttons on the Remote Commander.



3. The following menu appears on the screen (See Pic.1).

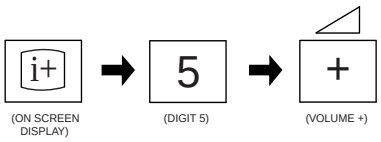
Pic.1



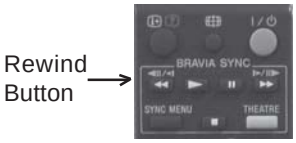
4. Move to the corresponding adjustment item using the '↑' or '↓' arrow buttons on the Remote Commander.
5. Press the '→' arrow button to enter into the required menu item.
6. Adjust the data value using the '↑' or '↓' arrow buttons on on the Remote Commander.
7. To go back at any time press the 'Return' button on the Remote Commander.
8. Press the 'Menu' button on the Remote Commander to quit the Service Mode when all adjustments have been completed.

Note :

- To place the Remote Commander in 'Service Mode' press the following buttons together for two seconds.



- To use the Remote Commander in 'Service Mode' press the rewind button on the Remote Commander twice.



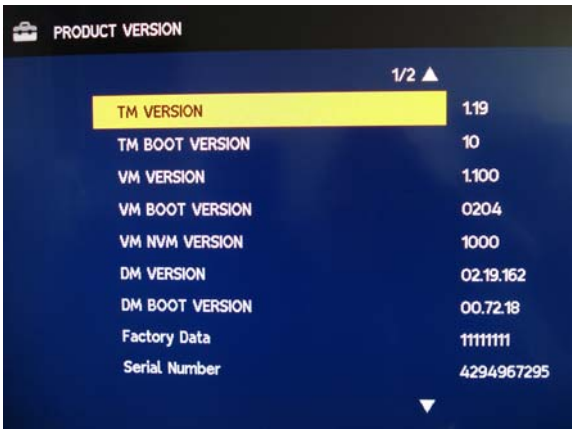
TT will then appear in the bottom right hand corner of the TV.

- To take the Remote Commander out of 'Service Mode' press the same buttons above together again for two seconds or remove the batteries from the Remote Commander.
- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON again.

3-2. Product Version

1. The following menu appears on the screen when you enter the 'Product Version' menu (See Pic.2). Be sure to check all pages.

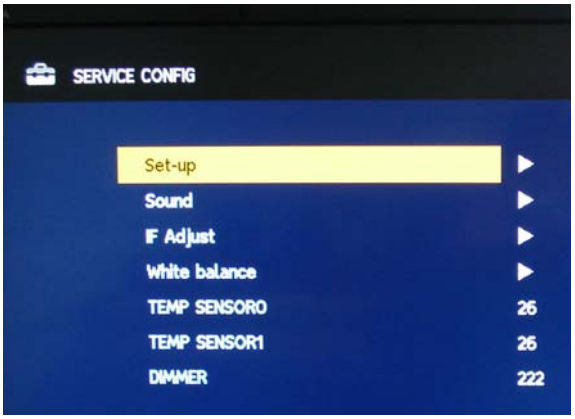
Pic.2



3-3. Service Config

1. The following menu appears on the screen when you enter the 'Service Config' menu (See Pic.3).

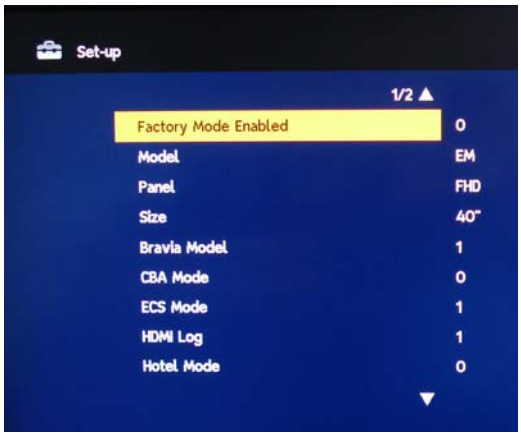
Pic.3



3-3-1. Set-Up

1. The following menu appears on the screen when you enter the ‘Set-up’ menu (See Pic.4). Be sure to check all pages.

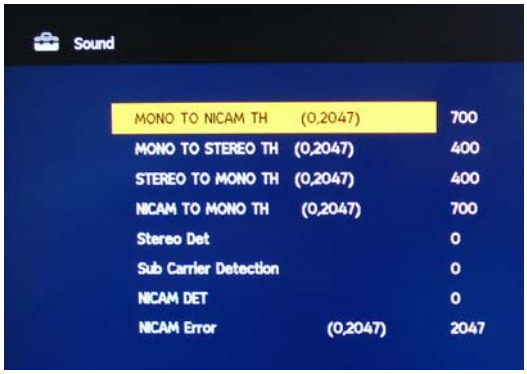
Pic.4



3-3-2. Sound

1. The following menu appears on the screen when you enter the ‘Sound’ menu (See Pic.5).

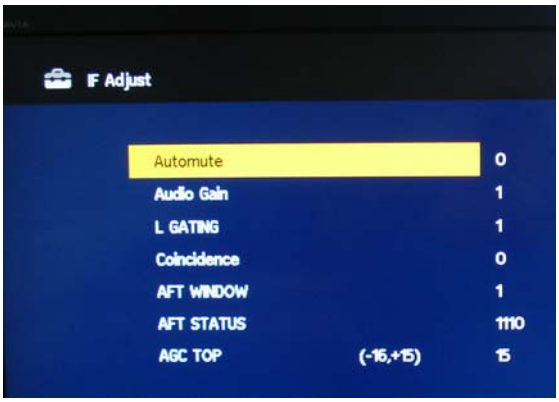
Pic.5


Sound
MONO TO NICAM TH (0,2047) 700
MONO TO STEREO TH (0,2047) 400
STEREO TO MONO TH (0,2047) 400
NICAM TO MONO TH (0,2047) 700
Stereo Det 0
Sub Carrier Detection 0
NICAM DET 0
NICAM Error (0,2047) 2047

3-3-3. IF Adjust

1. The following menu appears on the screen when you enter the ‘IF Adjust’ menu (See Pic.6).

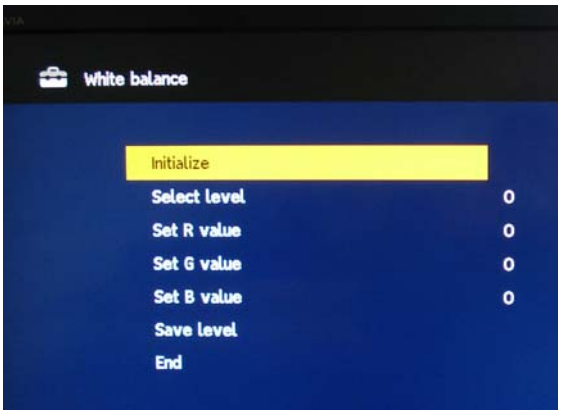
Pic.6



3-3-4. White Balance

1. The following menu appears on the screen when you enter the ‘White balance’ menu (See Pic.7).

Pic.7



3-4. Error Menu

1. The following menu appears on the screen when you enter the 'Error Menu' menu (See Pic.8). Be sure to check all pages.

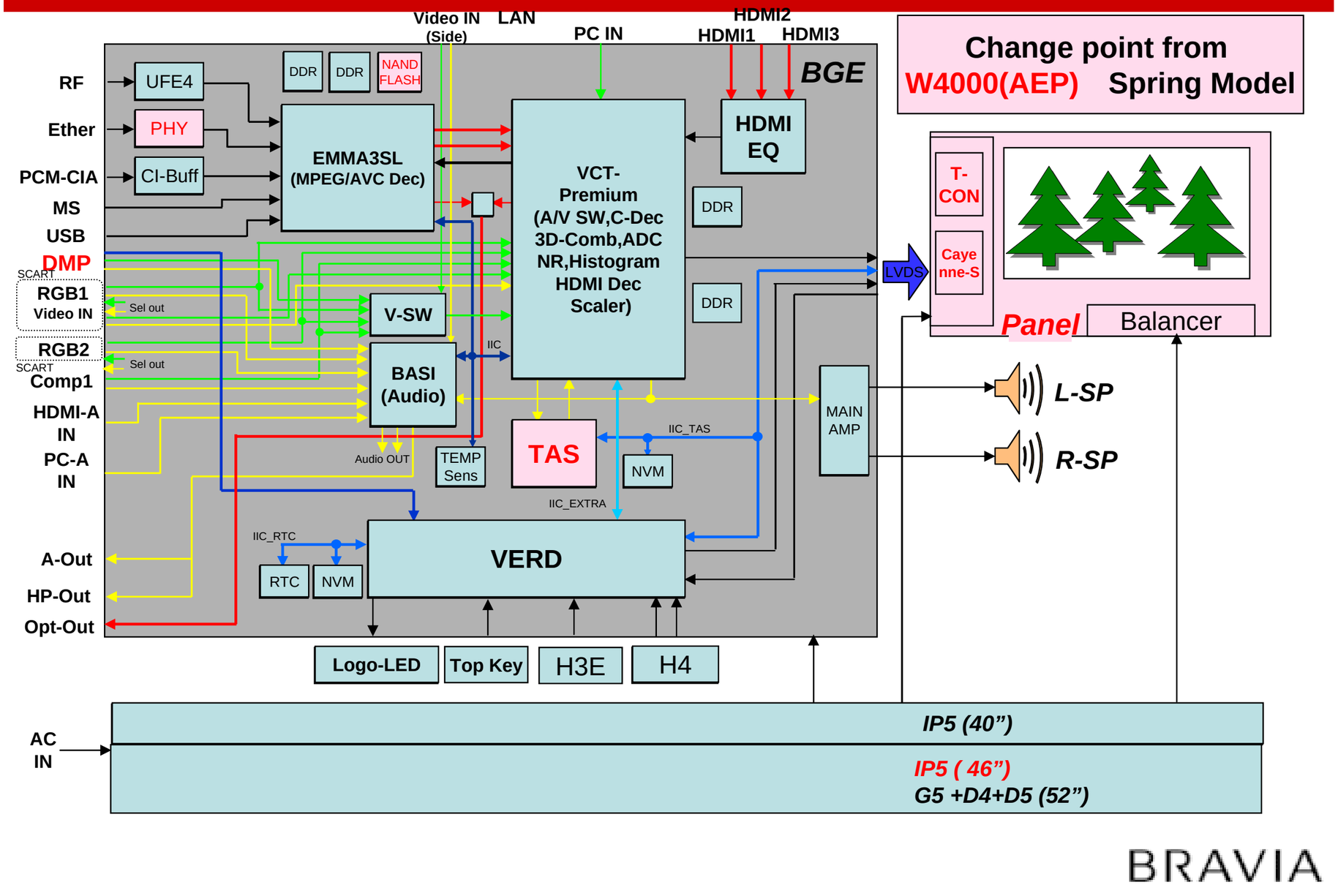
Pic.8

3-5. TT MODE

TT mode is available by setting the TV and Remote Commander for operation in Service Mode [As shown on Page 11]. The functions described below are then available by selecting the two numbers. To release the 'TT mode' press 00. To release the TT menu press the menu key.

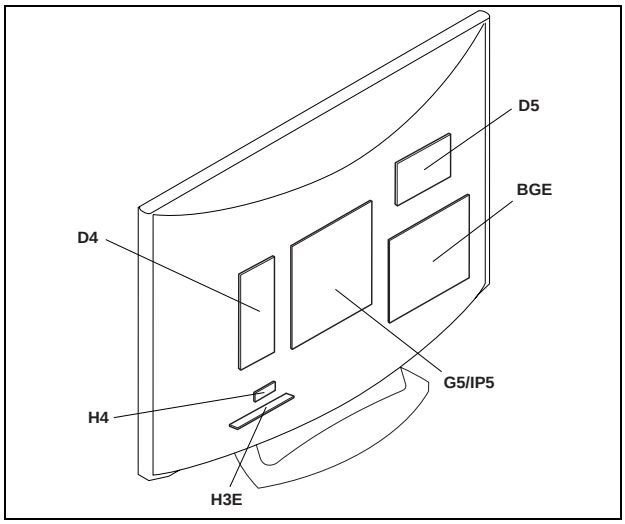
00	'TT' mode off
03	Set volume to 35%
04	Set volume to 50%
05	Set volume to 65%
06	Set volume to 80%
07	Ageing mode on
08	Shipping Condition
09	WB adj initial condition
19	Factory mode toggle (on/off)
25	40" FHD//EM model
26	46" FHD//EM model
27	CBA mode toggle (ON/OFF)
31	ECS mode toggle (ON/OFF)
32	Set BCN channels preset
34	HDMI log enable/disable
35	Hotel mode toggle
38	OTRUM mode toggle
39	Enable digital test
41	Re-initialise NVM
43	Select Dual Sound A
44	Select Dual Sound B
45	Select Dual Sound Mono
46	Select Dual Sound Stereo
48	Set NVM as non-virgin
49	Set NVM as virgin
54	Watchdog toggle
57	Gemstar Service Mode (EG1L)
58	Reset package version
59	Visual I2C toggle (VCT micro slave mode)
61	Set 52" FHD//EM model
69	WXGA/FHD panel selection
71	Auto AGC
72	VESA/JEIDA panel selection
73	HDMI number of inputs (0 to 2)
74	DDC enable
75	Set centred balance
76	Set volume to max
77	Set volume to min
78	Set balance full left
79	Set balance full right
81	Digital BER display
82	Digital Service menu
83	Digital colour bar output from DENC
84	TS CI path through
85	Digital tuner power down (Only one power cycle, default is no power down)
86	Switch between two digital SW banks
87	Local keys test
88	Digital shipping conditions (Clear tune database)
89	LED test
91	OAD enable/disable toggle
92	TS CI path through with Reed Solomon off
95	Ether Check Ping (EG1H)
96	Digital debug output enable/disable
97	Digital 656 output enable/disable
98	Digital Auto Reset function enable/disable

Block Diagram (W4500 AEP/UK)



BRAVIA

4-2. CIRCUIT BOARD LOCATION



4-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in µF unless otherwise noted.
- pF : µµF 50WV or less are not indicated except for electrolytic types.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5mm
Electrical power rating : 1/4W

- Chip resistors are 1/10W
- All resistors are in ohms.
  k = 1000 ohms, M = 1000,000 ohms
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- All voltages are in Volts.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.
- Voltage variations may be noted due to normal production tolerences.
- : B + bus.
- : B - bus.
- : RF signal path.
- : earth - ground.
- : earth - chassis.

Reference Information

RESISTOR	**RN**	: METAL FILM
	RC	: SOLID
	FPRD	: NON FLAMMABLE CARBON
	FUSE	: NON FLAMMABLE FUSIBLE
	RS	: NON FLAMMABLE METAL OXIDE
	RB	: NON FLAMMABLE CEMENT
	RW	: NON FLAMMABLE WIREWOUND
		: ADJUSTMENT RESISTOR
COIL	**LF-8L**	: MICRO INDUCTOR
CAPACITOR	**TA**	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

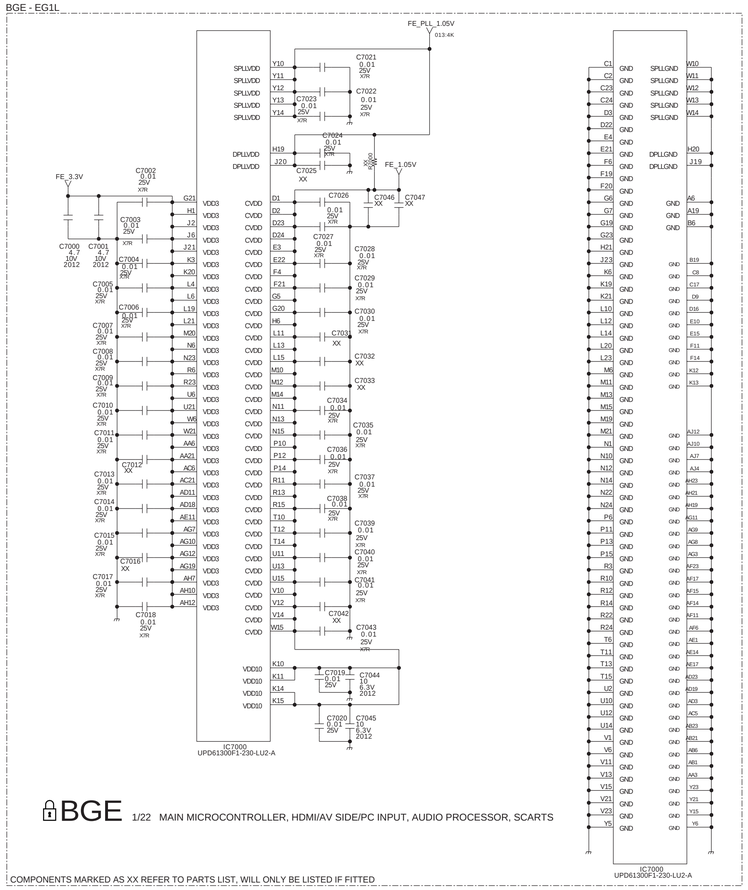
Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

Note : Les composants identifiés par une trame et par une marque ⚠ sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

Note : The components identified by mark 🔒 contain confidential information. Strictly follow the instructions whenever the components are repaired and/or replaced.

Note: Schematic diagrams are for reference only. Please refer to the electrical parts list for the correct value and part number of components.

BGE - EG1L

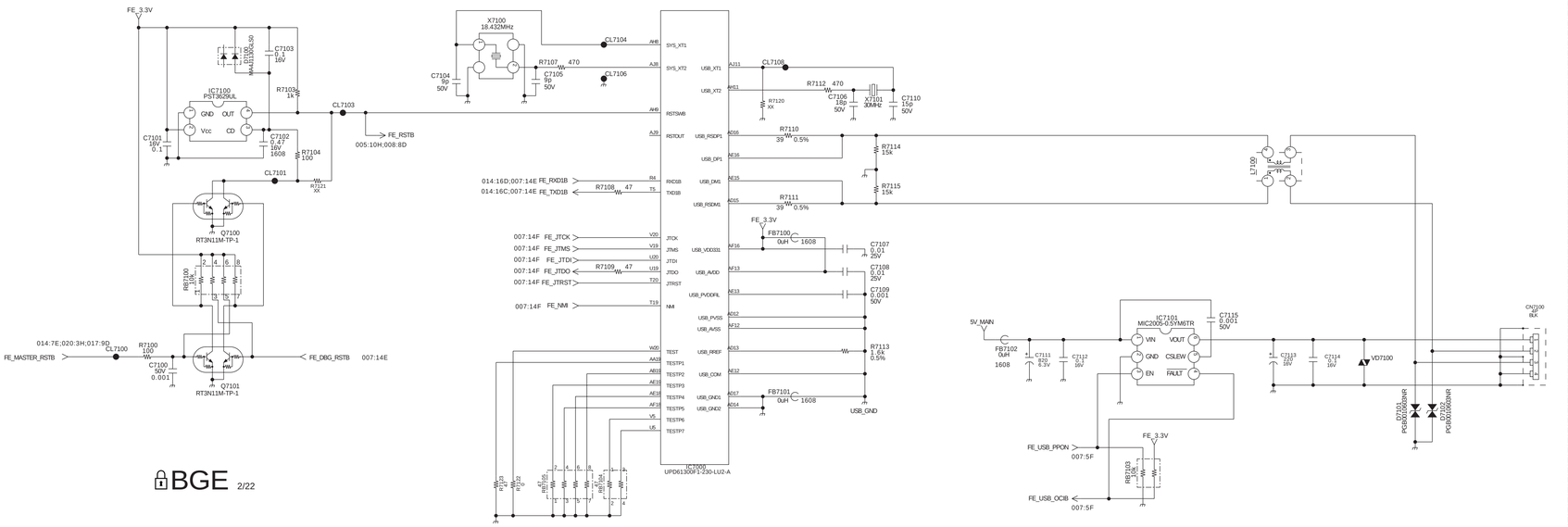


BGE 1/22 MAIN MICROCONTROLLER, HDMI/AV SIDE/PC INPUT, AUDIO PROCESSOR, SCARTS

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 1/22 ~

BGE - EG1L



BGE 2/22

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 2/22 ~

BGE - EG1L

BGE 3/22

PWB LAYOUT NOTE:
Pin-swap allowed on
these resistor arrays
for optimal PWB layout

PWB LAYOUT NOTE:
Place fitted strap resistors in groups
of 4 or 8 to allow replacement by
resistor arrays during later trial

STRAP SETTINGS

RADD[0]	= CPU_ENDIAN = 1 = Big
RADD[1]	= test = 0
RADD[2]	= test = 0
RADD[4: 3]	= CPUCLK_SEL[1:0] = 01 = 262.144MHz
RADD[5]	= MCLK_SEL = 0 = 327.680MHz
RADD[6]	= ROM_ENDIAN = 1 = Big
RADD[7]	= ROM_BWSEL = 1 = 8-bit
RADD[10: 8]	= BOOT_MODE[2:0] = 011 = NAND, then MS
RADD[12:11]	= BOOT_NAND_SEL[1:0] = 01 = =>512Mb 00 = <=256MB
RADD[13]	= NAND_CS = 0 = CS0
RADD[14]	= test = 0
RADD[15]	= test = 0
RADD[16]	= test = 0
RADD[17]	= EJTAG_MODE = 1 = EJTAG
RADD[18]	= DINT_EN = 0 = Disable
RADD[19]	= DSYSELB = 1 = Only Main CPU

To force Boot from MS:
connect (short) together
CL7302 & CL.7303

Place CLs together and
in accessible location

PWB LAYOUT NOTE:
Place NAND-FLASH with consideration
for changing from TSOP to FBGA package

IC7000
UPD61300F1-230-LU2-A

*IC7300
K9F1208U0C-PCB0T

COMPONENTS MARKED AS XX REFER TO PARTS LIST. WILL ONLY BE LISTED IF FITTED

~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 3/22 ~

BGE - EG1L

FE_DDR_DQ[0-31]

FE_DDR_DQS0,FE_DDR_DQS0B,FE_DDR_DQS1,FE_DDR_DQS1B,FE_DDR_DQS2,FE_DDR_DQS2B,FE_DDR_DQS3,FE_DDR_DQS3B

*IC7200
EDE5116AJBG-6E-E

*IC7201
EDE5116AJBG-6E-E

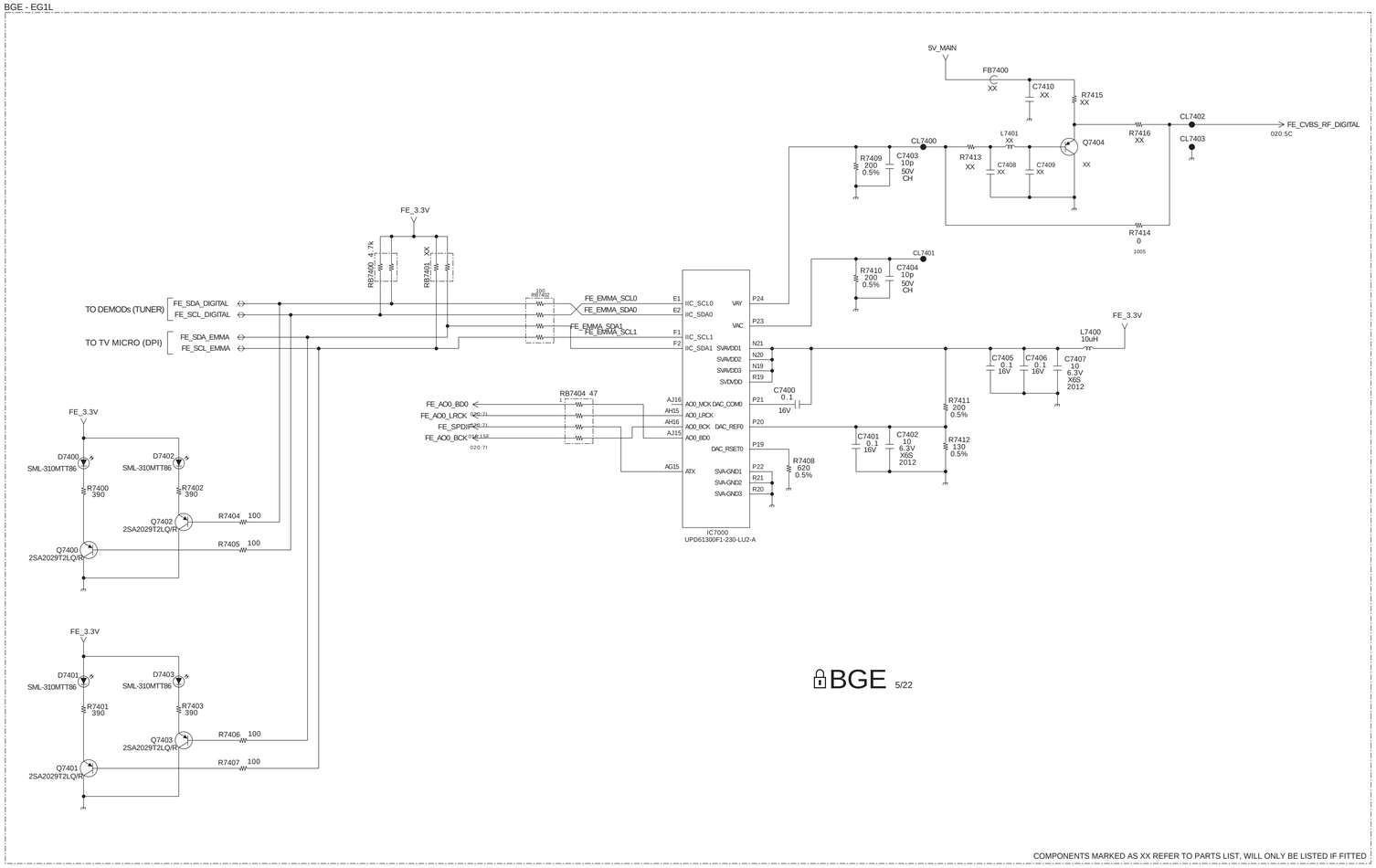
IC7000
UPD61300F1-230-LU2-A

BGE 4/22

COMPONENTS MARKED AS XX REFER TO PARTS LIST. WILL ONLY BE LISTED IF FITTED

~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 4/22 ~

BGE - EG1L



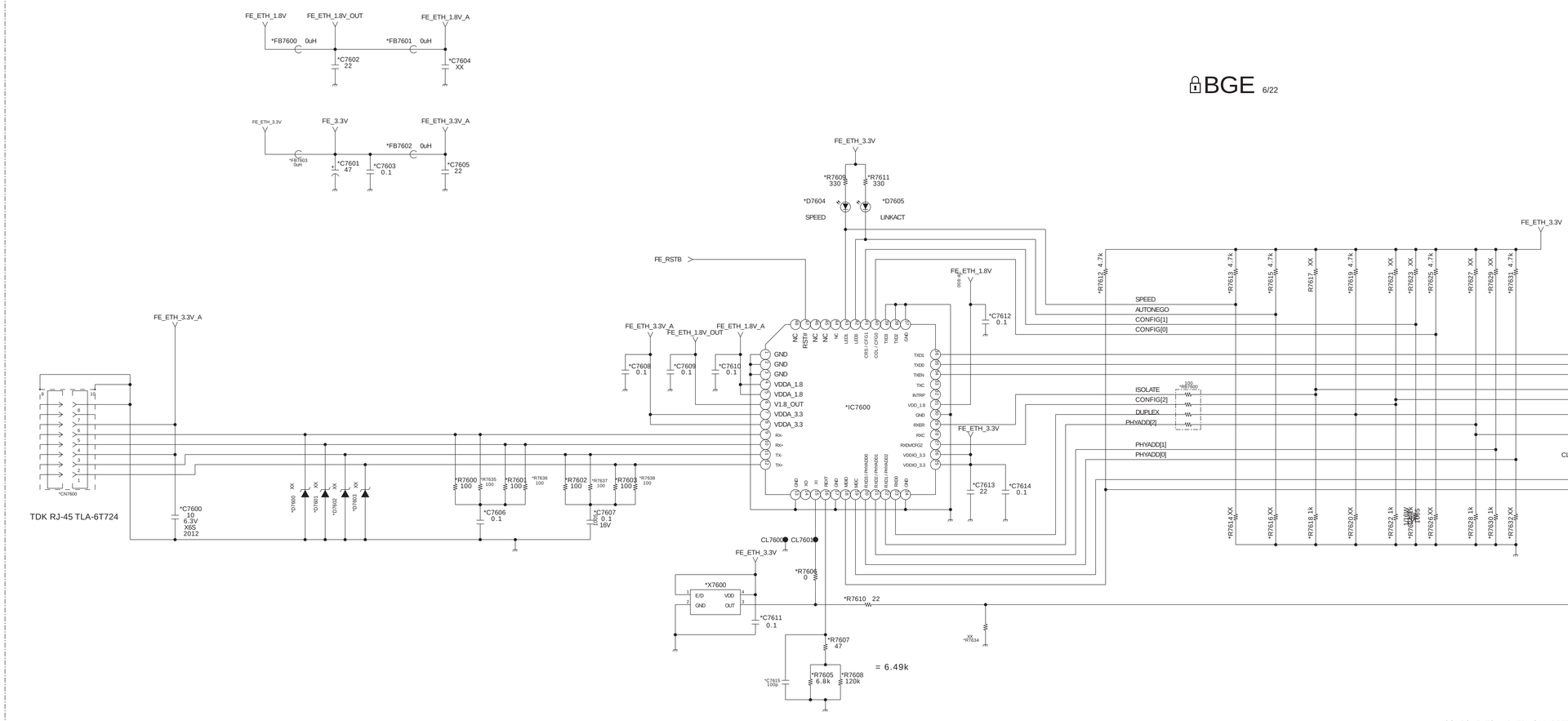
BGE 5/22

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 5/22 ~

BGE - EG1L

BGE 6/22

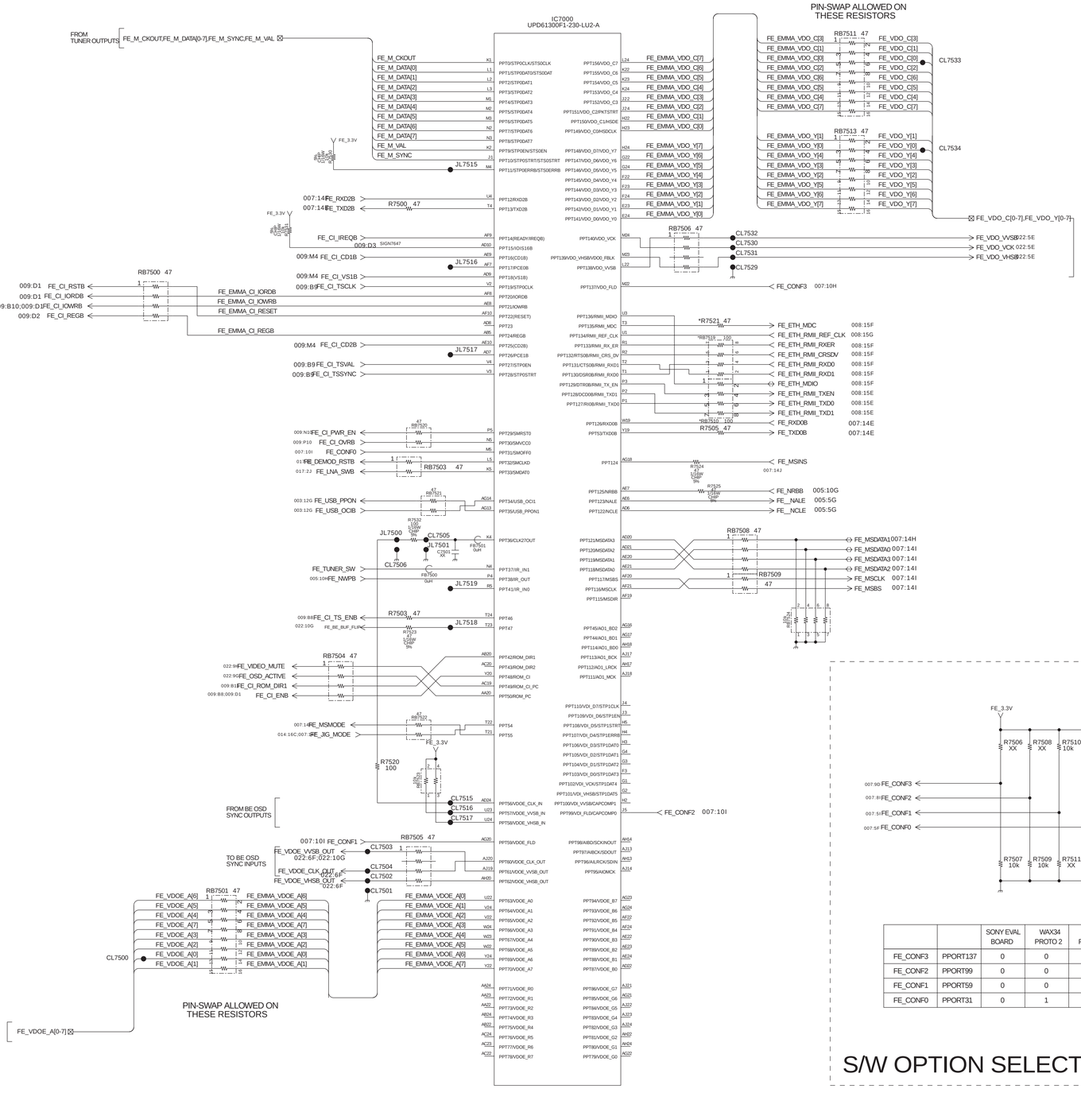


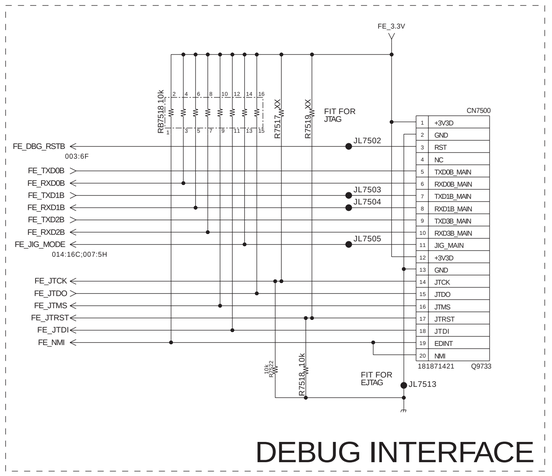
COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 6/22 ~

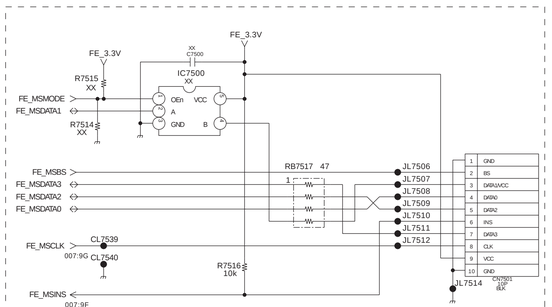
BGE - EG1L

BGE 7/22

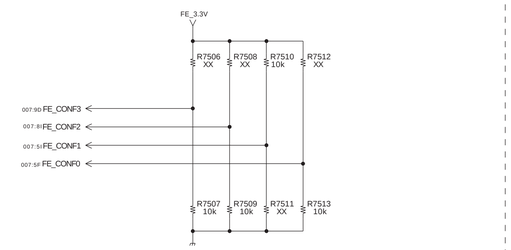




DEBUG INTERFACE



MEMORY STICK INTERFACE



		SONY EVAL BOARD	WAX34 PROTO 2	SE3 PROTO 1	
FE_CONF3	PPORT137	0	0	0	
FE_CONF2	PPORT99	0	0	0	
FE_CONF1	PPORT59	0	0	1	
FE_CONF0	PPORT31	0	1	0	

S/W OPTION SELECT RESISTORS

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 7/22 ~

BGE - EG1L

BGE 8/22

TS from CAM

TS to CAM

TS to CAM

TS to EMMA

CTRL to/from CAM

ADDR to CAM

DATA to/from CAM

All JL's are 0.6mm unless otherwise stated
All R's & C's are size 1005 unless otherwise stated

PCMCIA DVB-CI CONNECTOR

5V SWITCH

0.5A CUTOFF

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BGE - EG1L

AUDIO AMP

BGE 9/22

TO DETECT

HARDWARE MUTE CIRCUIT

TPA3100D2PHPR
IC3400

MAZ8056GOLS0
D3400

MAZ8056GOLS0
D3401

MA4J1130GLS0
D3402

MA2J1110GLS0
D3404

MA2J1110GLS0
D3405

ISA1602AM1TP-1EF
Q3400

UMX5JSKTR
Q3401

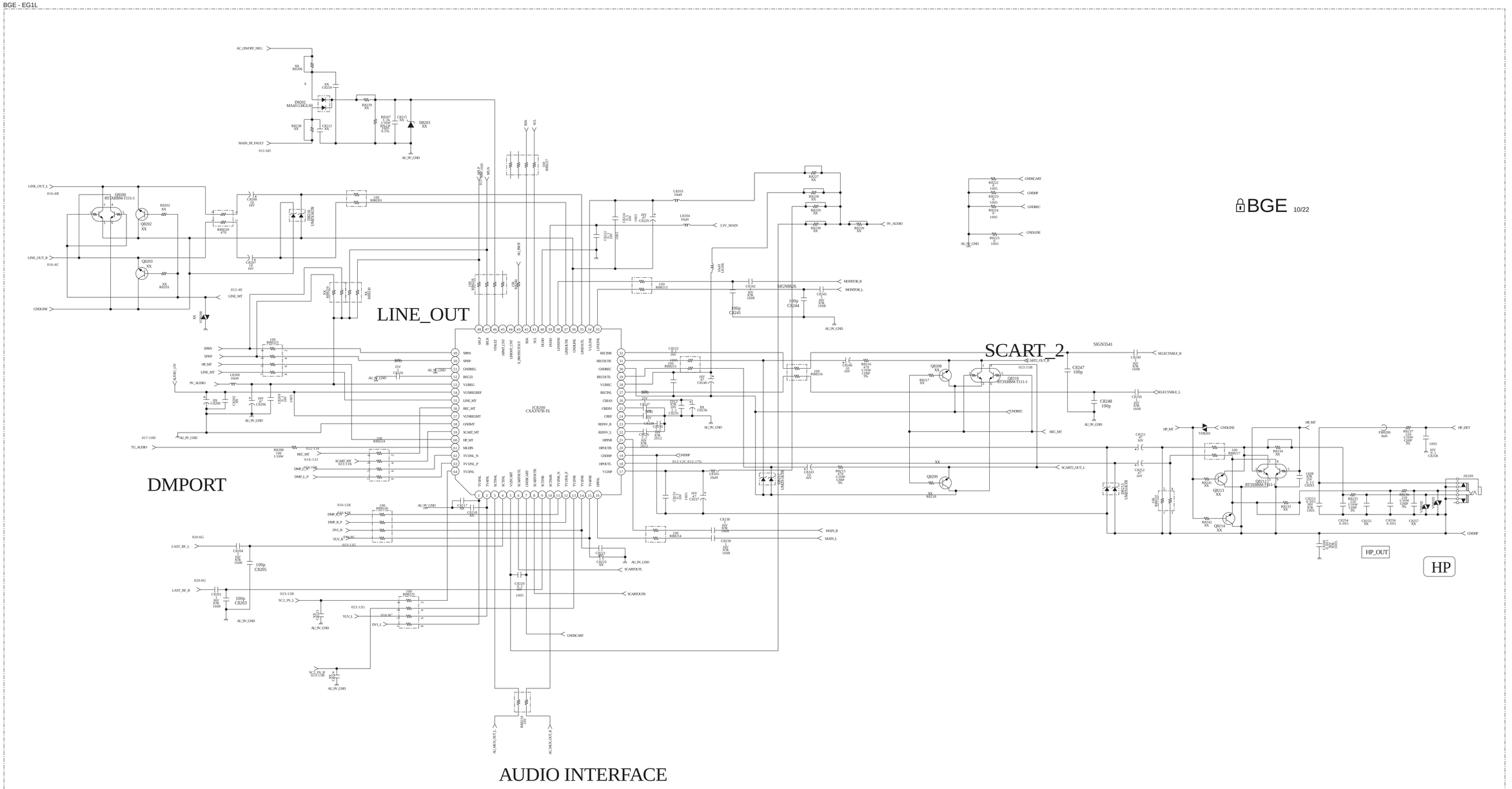
UMX5JSKTR
Q3402

CN3400

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 9/22 ~

BGE - EG1L


BGE 10/22
LINE_OUT
SCART_2
DMPORT
AUDIO INTERFACE
HP
HP_OUT
IC8200
CXA3767R-T6
AC_ONOFF_NEG
MAIN_SP_FAULT
011:6D
LINE_OUT_L
016:4B
LINE_OUT_R
016:4C
LINE_MT
012:4E
GNDLINE
TU_AUDIO
017:10D
DMP_R_N
DMP_R_P
DMP_L_N
DMP_L_P
016:12K
016:12J
DVI_R
DVI_L
YUV_R
YUV_L
016:BC
023:12G
LAST_RF_L
020:6G
LAST_RF_R
SC2_IN_L
SC2_IN_R
023:15B
SIGN8826
SIGN3541
MONITOR_R
MONITOR_L
MAIN_R
MAIN_L
SCARTOUTL
SCARTOUTR
GNDSCART
SCART2_OUT_L
SCART2_OUT_R
REC_MT
HP_MT
HP_DET
HP_OUT
ALARMOUT_L
ALARMOUT_R
AL_9V_GND
AL_5V_GND
9V_AUDIO
3.3V_MAIN
ALRDO_3V
GNDSCART
GNDHP
GNDREC
GNDLINE
SPIN
SPIP
HP_MT
LINE_MT
REC_MT
VUNREGMT
GNDMT
SCART_MT
HP_MT
MLDIN
TVDIN1_N
TVDIN1_P
TVDIN1
SPIN
SPIP
GNDREG
REG33
VUNREG
VUNREGREF
LINE_MT
REC_MT
VUNREGMT
GNDMT
SCART_MT
HP_MT
MLDIN
TVDIN2_N
TVDIN2_P
TVDIN2
SPIN
SPIP
HP_MT
LINE_MT
9V_AUDIO
TVDIN1
TVDIN2
SCTIN1
SCTIN2
VDET
VSCART
SCARTOUTL
GNDSCART
SCARTOUTR
SCTIN3
SCTIN4
TVDIN3_N
TVDIN3_P
TVDIN3
TVDIN4
HPIN
SPIN
SPIP
VDET
HPMUTE_CNT
LRMUTE_CNT
X_PROTECTOUT
SDA
SCL
LPAD
LPAD
LRINSW
LRINSW
GNDREC
VCLINE
LINEIN
HECIN
RECOUTR
GNDREC
RECOUTL
VCREC
RECIN
CHAS
CHFH
CHF
REFAV_R
REFAV_L
HPOUTR
GNDHP
HPOUTL
VCHP
HPIN
SDA
SCL
LPAD
LPAD
LRINSW
LRINSW
GNDREC
VCLINE
LINEIN
HECIN
RECOUTR
GNDREC
RECOUTL
VCREC
RECIN
CHAS
CHFH
CHF
REFAV_R
REFAV_L
HPOUTR
GNDHP
HPOUTL
VCHP
HPIN
AL_9V_GND
AL_5V_GND
GNDHP
GNDSCART
GNDREC
GNDLINE
AL_5V_GND
AL_9V_GND
AL_9V_GND
AL_9

+5V REG

3.15A

+1V8 & +3V3 REG

3.15A

Cu Heatsink

Add 16mmx16mm area
Connect to TAB of
Regulator

1.05V_EMMA_PLL

BGE 11/22

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

TEMPERATURE SENSOR

*IC5505

BGE 12/22

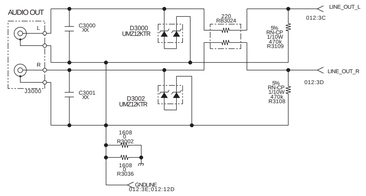
COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BGE 13/22

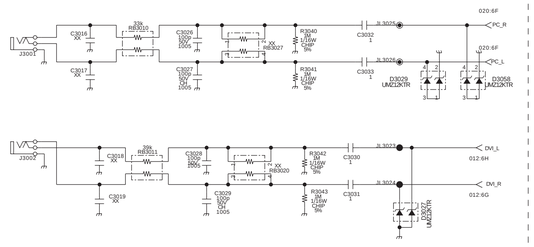
COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

BGE 14/22

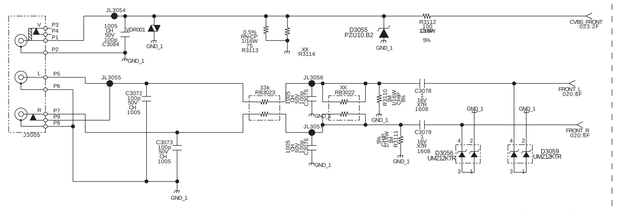
LINE OUT



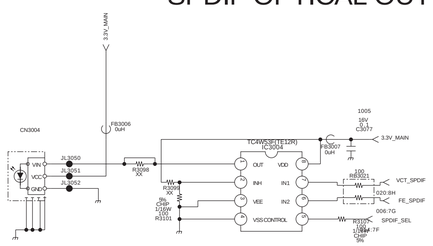
DVI/PC AUDIO INPUT

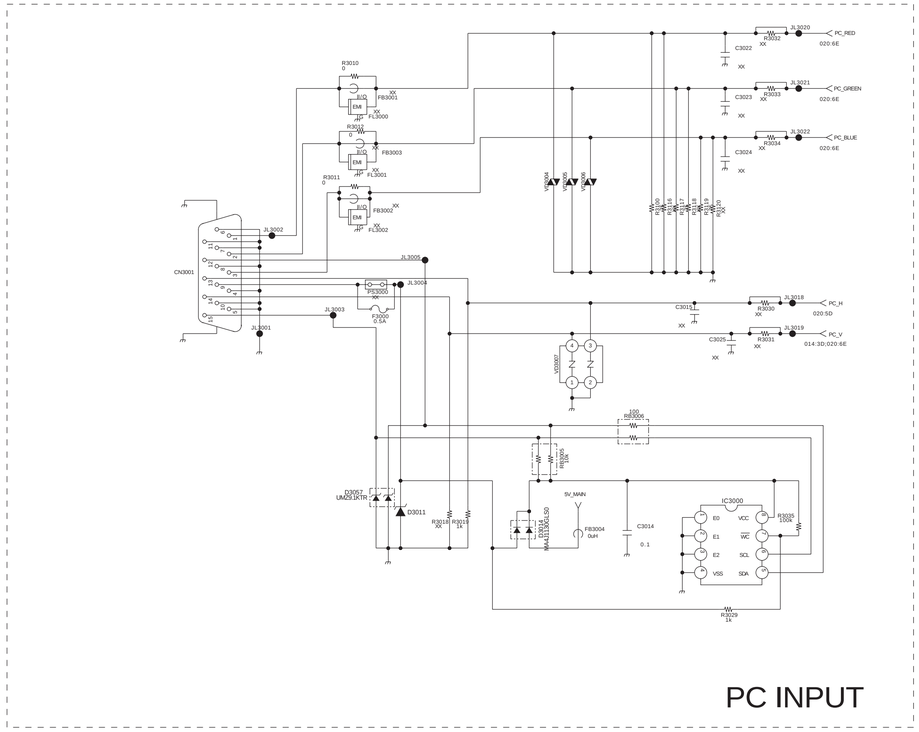


LATERAL A/V CONNECTOR



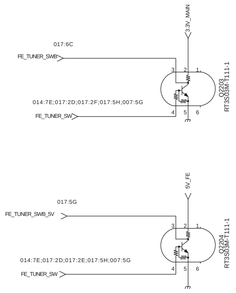
SPDIF OPTICAL OUT

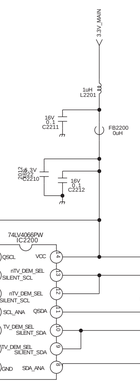


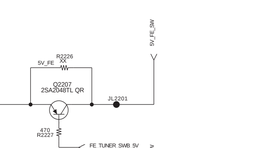


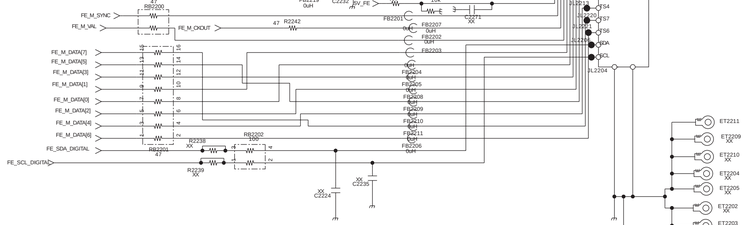
BGE - EG1L

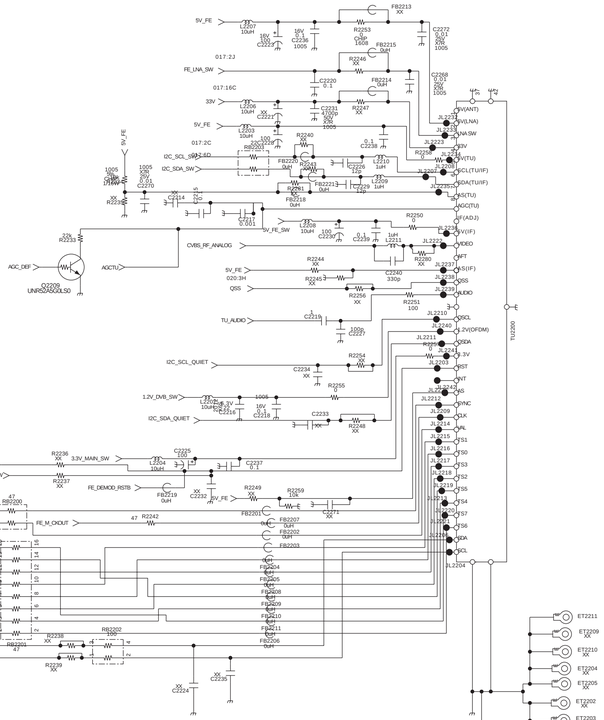
BGE 15/22










5V_FE
FB2213
XX
L2207
10uH
18V
100
C2238
1005
C2237
R2253
XX
C2230
1608
FB2215
0uH
C2372
0.01
50V
X7R
1005
017:2J
FE_LNA_SW
R2246
XX
017:16C
C2220
0.1
FB2214
0uH
C2368
0.01
50V
X7R
1005
32V
L2206
10uH
XX
C2221
R2247
XX
C2231
1000
6.3V
1005
5V_FE
L2203
10uH
100
C2223
017:2C
R2240
XX
0.1
C2238
I2C_SCL_SW
I2C_SDA_SW
R2241
0
R2248
0
FB2220
0uH
R2242
0
FB2221
0uH
C2226
100
C2229
1uH
1005
50V
X7R
C2270
0.01
C2214
XX
R2233
22k
R2233
AGC_DEF
AGC(TU)
Q2209
UNR52A0G0L50
5V_FE
L2208
10uH
100
C2239
0.1
1uH
L2211
CVBS_RF_ANALOG
5V_FE
020:3H
R2244
XX
R2245
XX
C2240
330p
QSS
R2256
XX
TU_AUDIO
R2251
100
C2219
100p
C2227
I2C_SCL_QUIET
R2254
XX
C2234
XX
1.2V_DVB_SW
L2209
10uH
18V
0.1
C2218
1005
C2233
XX
I2C_SDA_QUIET
R2248
XX
R2250
0
R2255
0
JL2201
JL2202
JL2203
JL2204
JL2205
JL2206
JL2207
JL2208
JL2209
JL2210
JL2211
JL2212
JL2213
JL2214
JL2215
JL2216
JL2217
JL2218
JL2219
JL2220
JL2221
JL2222
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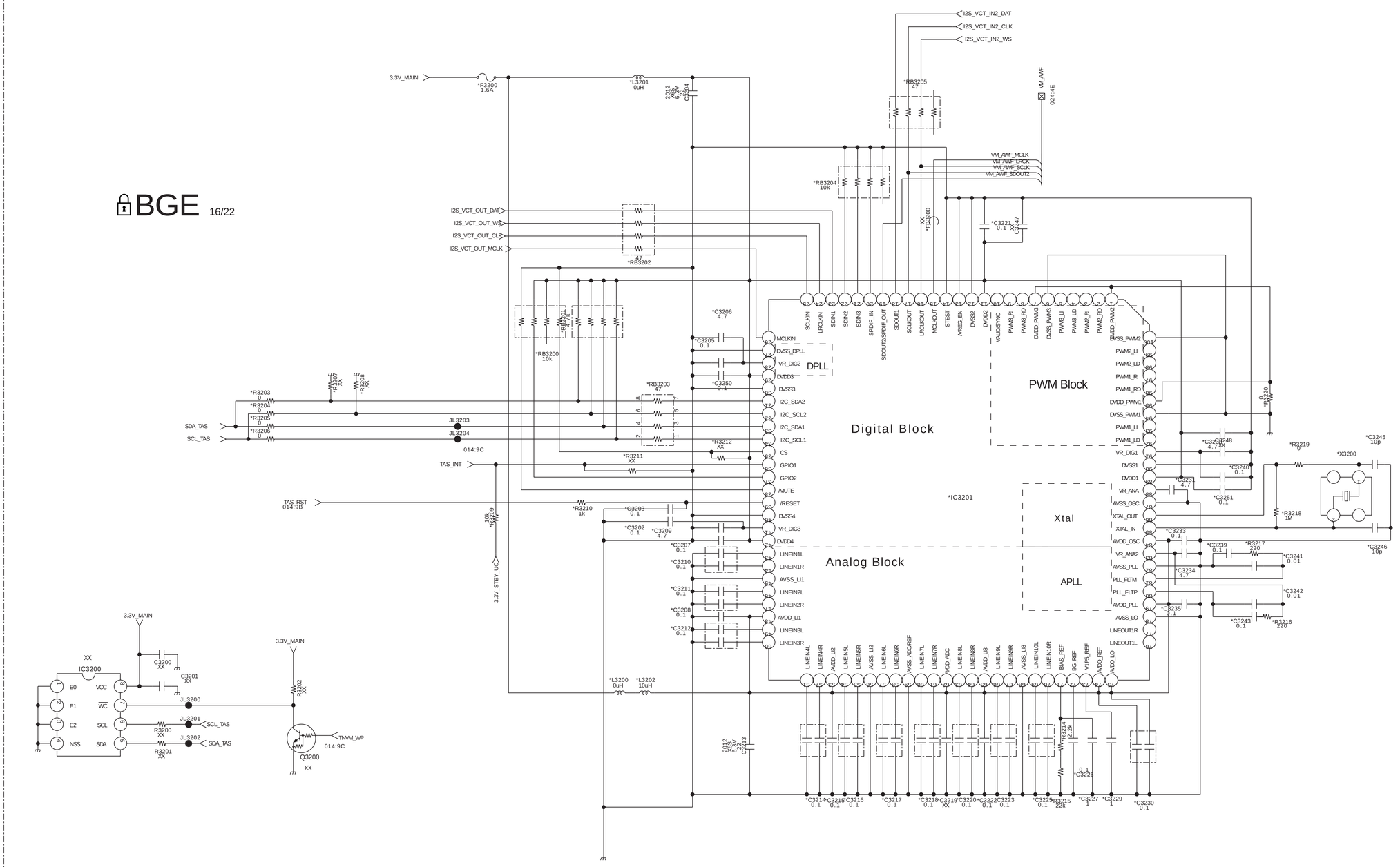
JL2238
JL2239
JL2240

BGE - EG1L

BGE 16/22



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 16/22 ~

BGE 17/22

HYB18TC256160BF-3S
IC4001

PLACE A PAIR OF THESE CAPS CLOSE TO EACH VDD, VDDQ PIN

VCT_1.8V

C4023 10U 16V

C4007 0.1 1005
C4013 0.1 1005
C4017 0.1 1005
C4021 0.1 1005
C4025 0.1 1005
C4030 0.1 1005
C4033 0.1 1005
C4038 0.1 1005
C4042 0.1 1005
C4046 0.1 1005
C4049 0.1 1005
C4052 0.1 1005
C4055 0.1 1005
C4057 0.1 1005
C4061 0.1 1005
C4065 0.1 1005

C4010 XX
C4015 XX
C4020 XX
C4024 XX
C4028 XX
C4032 XX
C4036 XX
C4040 XX
C4044 XX
C4048 XX
C4052 XX
C4056 XX
C4060 XX
C4064 XX
C4068 XX

VDDQ G9, G7, G3, G1, E9, C9, C7, C3, C1, A9
VDD R1, M9, J9, E1, A1
VSSQ H9, H2, F8, F2, E7, D8, D2, B8, B2, A7
VSS P9, N1, J3, E3, A3

THESE JL'S ON SIDE-B (REST ON SIDE-A)

FB4000
0uH

VCT_1.8V
0.5% RK73H 1/16W 100R 0402 R4034
1005 10V X7R C4079
1005 10V X7R C4071
1005 50V X7R C4075

VCT_DDR2_VREF_0.9V
R4029 1.33K 0.5% 1/16W 0402
1005 10V X7R C4070
1005 50V X7R C4073

PLACE CLOSE TO VREF PIN

ODT K9
WE# K3
CAS# L7
RAS# K7
CS# L8
CKE K2
CK# K1
CK J8
LDQS# E8
LDQS F7
UDQS# A8
UDQS B7
LDM F3
UDM B3
BA2 L1
BA1 L3
BA0 L2
A12 R2
A11 P7
A10 N7
A9 P3
A8 P8
A7 P2
A6 N2
A5 N3
A4 N8
A3 N7
A2 M2
A1 M3
A0 M8

NC B8, R7, R3, E2, A2

DQ15 B9, DQ14 B1, DQ13 D9, DQ12 D1, DQ11 D3, DQ10 D7, DQ9 C2, DQ8 C8, DQ7 F9, DQ6 F1, DQ5 H9, DQ4 H1, DQ3 H3, DQ2 H7, DQ1 G2, DQ0 G8

020:10D:019:5J

VCTY_RAMD15, VCTY_RAMD14, VCTY_RAMD13, VCTY_RAMD12, VCTY_RAMD11, VCTY_RAMD10, VCTY_RAMD9, VCTY_RAMD8, VCTY_RAMD7, VCTY_RAMD6, VCTY_RAMD5, VCTY_RAMD4, VCTY_RAMD3, VCTY_RAMD2, VCTY_RAMD1, VCTY_RAMD0

JL-4080 ... JL-4085, JL-4073

CL-4080 ... CL-4087

PLACE RESISTOR CLOSE TO DDR
R4020 150

R4020 22
RB4017 22
R4023 22
R4010 22
R4011 22
RB4015 22
RB4016 22

VCTY_RAMODT, VCTY_RAMWE_N, VCTY_RAMRAS_N, VCTY_RAMCAS_N, VCTY_RAMCS_N, VCTY_RAMCKE, VCTY_RAMCLK, VCTY_RAMCLK_N, VCTY_RAMDQS3_B, VCTY_RAMDQS3, VCTY_RAMDQS2_B, VCTY_RAMDQS2, VCTY_RAMDM2, VCTY_RAMDM3, VCTY_RAMBA1, VCTY_RAMBA0, VCTY_RAMA2, VCTY_RAMA4, VCTY_RAMA6, VCTY_RAMA10, VCTY_RAMA3, VCTY_RAMA5, VCTY_RAMA12, VCTY_RAMA7, VCTY_RAMA1, VCTY_RAMA0, VCTY_RAMA11, VCTY_RAMA9

R4016 33
R4017 33

019:13D:019:13I

R4018 33
RB4014 33
R4019 33
R4028 22
R4029 22

VCTY_ODT, VCTY_WE_N, VCTY_RAS_N, VCTY_CAS_N, VCTY_CS_N, VCTY_CKE, VCTY_CLK, VCTY_CLK_N

020:10H

RB4012 33
RB4013 33

VCTY_A10, VCTY_A8, VCTY_A6, VCTY_A4, VCTY_A2, VCTY_BA0, VCTY_BA1, VCTY_A3, VCTY_A5, VCTY_A12, VCTY_A7, VCTY_A1, VCTY_A0, VCTY_A11, VCTY_A9

020:10G

019:13E:019:13J

PLACE RESISTORS CLOSE TO VCTY

HYB18TC256160BF-3S
IC4002

PLACE A PAIR OF THESE CAPS CLOSE TO EACH VDD, VDDQ PIN

VCT_1.8V

C4006 10U 16V

C4009 1005
C4014 0.1 1005
C4018 0.1 1005
C4019 0.1 1005
C4022 0.1 1005
C4027 0.1 1005
C4031 0.1 1005
C4035 0.1 1005
C4039 0.1 1005
C4043 0.1 1005
C4047 0.1 1005
C4051 0.1 1005
C4054 0.1 1005
C4058 0.1 1005
C4059 0.1 1005
C4062 0.1 1005
C4063 0.1 1005
C4066 0.1 1005
C4067 0.1 1005
C4069 XX

C4011 XX
C4016 XX
C4017 XX
C4021 XX
C4026 XX
C4029 XX
C4034 XX
C4037 XX
C4041 XX
C4045 XX
C4050 XX
C4053 XX
C4060 XX
C4064 XX 0.1

VDDQ G9, G7, G3, G1, E9, C9, C7, C3, C1, A9
VDD R1, M9, J9, E1, A1
VSSQ H9, H2, F8, F2, E7, D8, D2, B8, B2, A7
VSS P9, N1, J3, E3, A3

THESE JL'S ON SIDE-B (REST ON SIDE-A)

FB4001
0uH

VCT_1.8V
0.5% RK73H 1/16W 100R 0402 R4032
1005 10V X7R C4078
1005 10V X7R C4074
1005 50V X7R C4077

VCT_DDR2_VREF_0.9V
0.5% RK73H 1/16W 100R 0402 R4033
1005 10V X7R C4076
1005 50V X7R C4075

PLACE CLOSE TO VREF PIN

ODT K9
WE# K3
CAS# L7
RAS# K7
CS# L8
CKE K2
CK# K1
CK J8
LDQS# E8
LDQS F7
UDQS# A8
UDQS B7
LDM F3
UDM B3
BA2 L1
BA1 L3
BA0 L2
A12 R2
A11 P7
A10 N7
A9 P3
A8 P8
A7 P2
A6 N2
A5 N3
A4 N8
A3 N7
A2 M2
A1 M3
A0 M8

NC B8, R7, R3, E2, A2

DQ15 B9, DQ14 B1, DQ13 D9, DQ12 D1, DQ11 D3, DQ10 D7, DQ9 C2, DQ8 C8, DQ7 F9, DQ6 F1, DQ5 H9, DQ4 H1, DQ3 H3, DQ2 H7, DQ1 G2, DQ0 G8

VCTY_RAMD31, VCTY_RAMD30, VCTY_RAMD29, VCTY_RAMD28, VCTY_RAMD27, VCTY_RAMD26, VCTY_RAMD25, VCTY_RAMD24, VCTY_RAMD23, VCTY_RAMD22, VCTY_RAMD21, VCTY_RAMD20, VCTY_RAMD19, VCTY_RAMD18, VCTY_RAMD17, VCTY_RAMD16

JL-4086 ... JL-4091, JL-4069

CL-4096 ... CL-4103

PLACE RESISTOR CLOSE TO DDR
R4000 150

R4022 22
RB4020 22
R4021 22
R4012 22
R4013 22
RB4018 22
R4019 22

VCTY_RAMODT, VCTY_RAMWE_N, VCTY_RAMRAS_N, VCTY_RAMCAS_N, VCTY_RAMCS_N, VCTY_RAMCKE, VCTY_RAMCLK, VCTY_RAMCLK_N, VCTY_RAMDQS3_B, VCTY_RAMDQS3, VCTY_RAMDQS2_B, VCTY_RAMDQS2, VCTY_RAMDM2, VCTY_RAMDM3, VCTY_RAMBA1, VCTY_RAMBA0, VCTY_RAMA2, VCTY_RAMA4, VCTY_RAMA6, VCTY_RAMA10, VCTY_RAMA3, VCTY_RAMA5, VCTY_RAMA12, VCTY_RAMA7, VCTY_RAMA1, VCTY_RAMA0, VCTY_RAMA11, VCTY_RAMA9

R4014 33 1.8V
R4015 33

VCT_DDR2_VREF_0.9V

XX C4080, XX C4083, XX C4081, XX C4084, XX C4082

XX IC4000

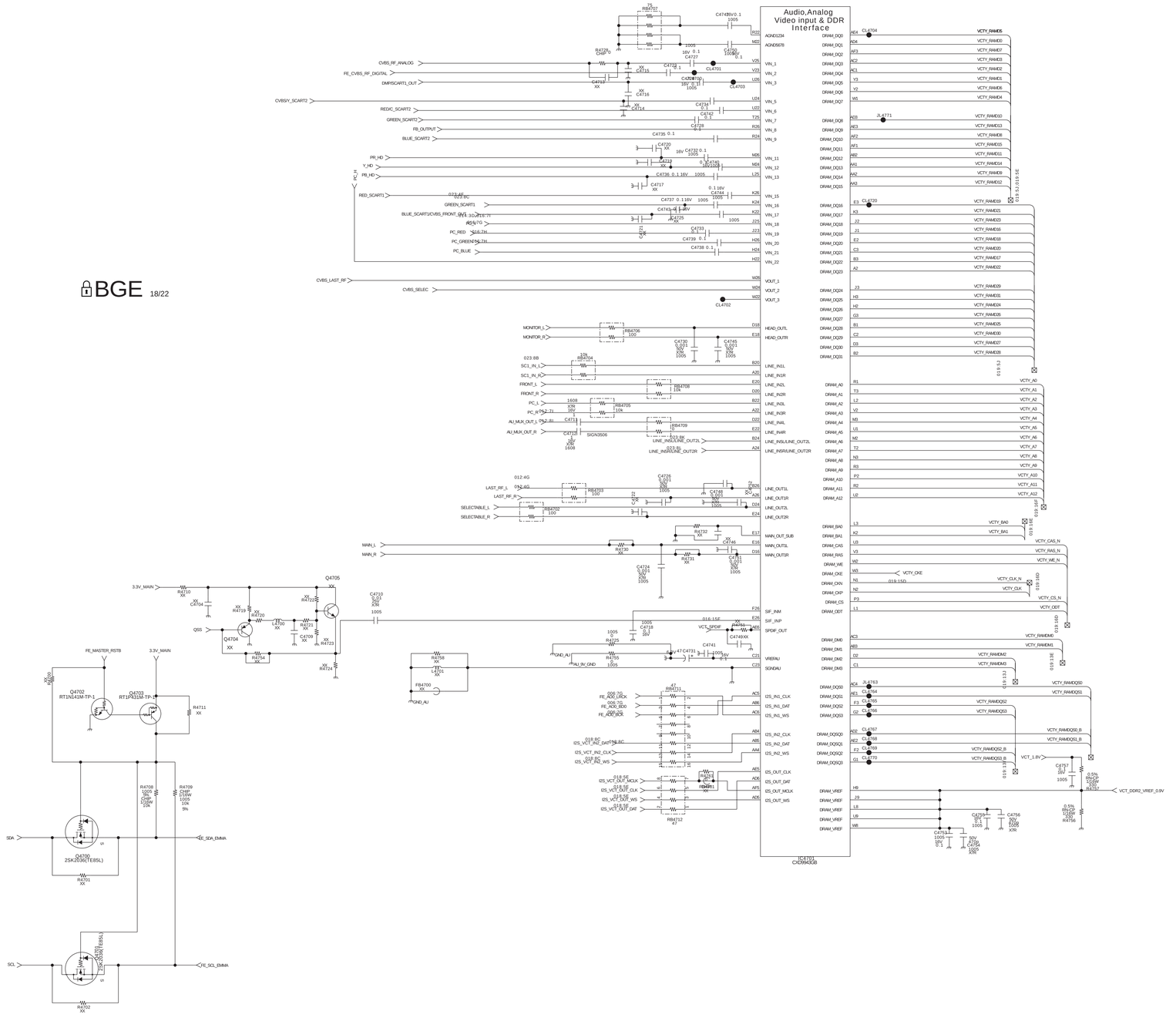
R4031 XX
1005 50V X7R C4035
1005 50V X7R C4016
C4005 XX
XX C4000
XX C4001
XX C4002

VCT_DDR2_VREF_0.9V
VCT_1.8V

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

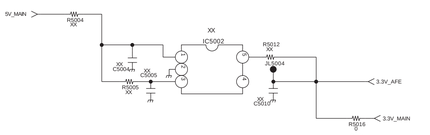
BGE - EG1L

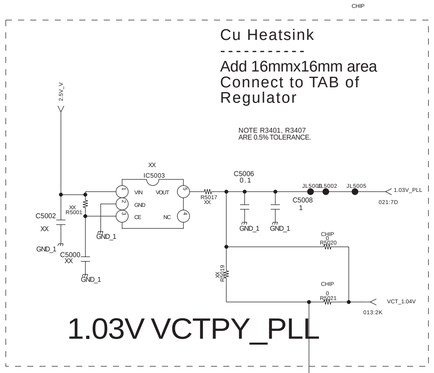
BGE 18/22

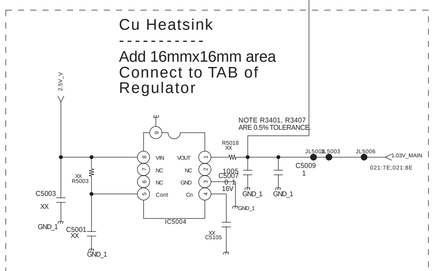


~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 18/22 ~

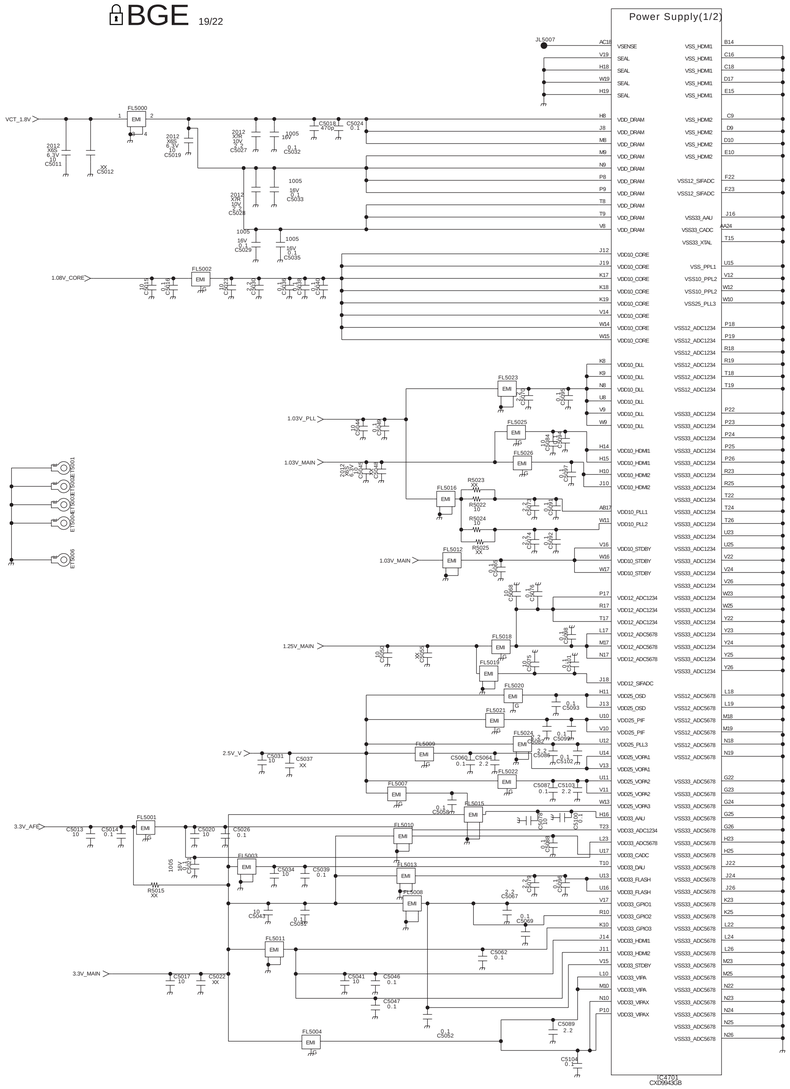
BGE - EG1L

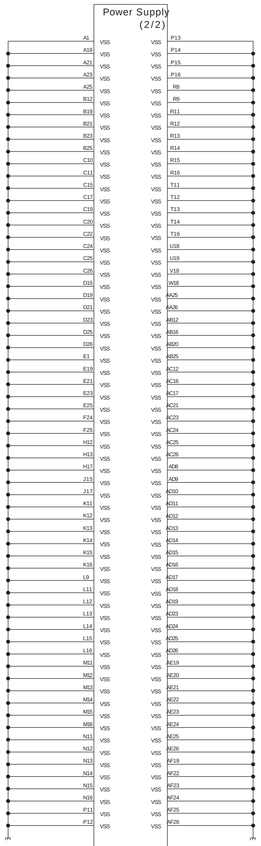






Mount Mecha	A5000	329957511	

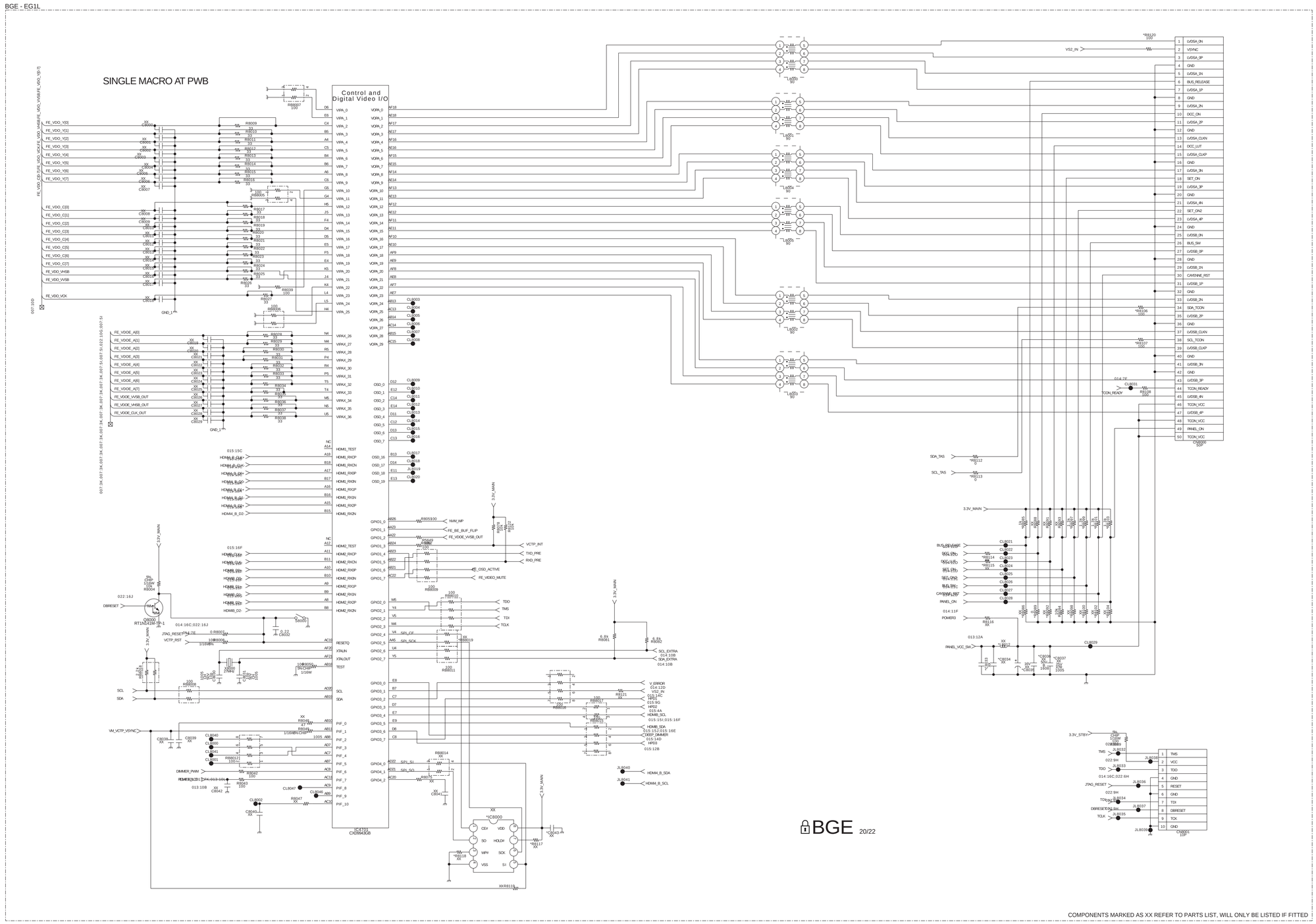




COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 19/22 ~

BGE - EG1L


SINGLE MACRO AT PWB
Control and Digital Video I/O
IC4701 CXD9945GB
IC8000 RT1611HGE-T1
JL8000
JL8001
JL8002
JL8003
JL8004
JL8005
JL8006
JL8007
JL8008
JL8009
JL8010
JL8011
JL8012
JL8013
JL8014
JL8015
JL8016
JL8017
JL8018
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JL8020
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JL8032
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JL8034
JL8035
JL8036
JL8037
JL8038
JL8039
JL8040
JL8041
CN8000
CN8001
3.3V_MAIN
3.3V_STBY
VS2_IN
SDA_TAS
SCL_TAS
TCON_READY
PANEL_VCC_SW
SCL_EXTRA
SDA_EXTRA
V_ERROR
HPD2
HDMI_SDA
HDMI_SCL
VM_VCTP_VSYNC
DIMMER_PWM
DIMRESET
VCTP_RST
VCTP_INT
TXD_PRE
RXD_PRE
NVM_WP
FE_BE_BUF_FLIP
FE_VDOE_VVSB_OUT
FE_OSD_ACTIVE
FE_VIDEO_MUTE
TDO
TMS
TDI
TCLK
SPI_CE
SPI_SCK
SPI_SI
SPI_SO
HDMI4_B_SDA
HDMI4_B_SCL
FE_VDO_Y[0]
FE_VDO_Y[1]
FE_VDO_Y[2]
FE_VDO_Y[3]
FE_VDO_Y[4]
FE_VDO_Y[5]
FE_VDO_Y[6]
FE_VDO_Y[7]
FE_VDO_C[0]
FE_VDO_C[1]
FE_VDO_C[2]
FE_VDO_C[3]
FE_VDO_C[4]
FE_VDO_C[5]
FE_VDO_C[6]
FE_VDO_C[7]
FE_VDO_VHSB
FE_VDO_VVSB
FE_VDO_VCK
FE_VDOE_A[0]
FE_VDOE_A[1]
FE_VDOE_A[2]
FE_VDOE_A[3]
FE_VDOE_A[4]
FE_VDOE_A[5]
FE_VDOE_A[6]
FE_VDOE_A[7]
FE_VDOE_VHSB_OUT
FE_VDOE_VHSB_OUT
FE_VDOE_CLK_OUT
HDMI1_TEST
HDMI1_RX2P
HDMI1_RX2N
HDMI1_RX0P
HDMI1_RX0N
HDMI1_RX1P
HDMI1_RX1N
HDMI1_RX0P
HDMI1_RX0N
HDMI2_TEST
HDMI2_RX1P
HDMI2_RX2N
HDMI2_RX0N
HDMI2_RX1P
HDMI2_RX1N
HDMI2_RX0P
HDMI2_RX0N
HDMI3_B_D2+
HDMI3_B_D2-
HDMI3_B_D1+
HDMI3_B_D1-
HDMI3_B_D0+
HDMI3_B_D0-
HDMI3_B_CK+
HDMI3_B_CK-
HDMI4_B_D2+
HDMI4_B_D2-
HDMI4_B_D1+
HDMI4_B_D1-
HDMI4_B_D0+
HDMI4_B_D0-
HDMI4_B_CK+
HDMI4_B_CK-
OSD_0
OSD_1
OSD_2
OSD_3
OSD_4
OSD_5
OSD_6
OSD_7
OSD_10
OSD_11
OSD_12
OSD_13
OSD_14
OSD_15
GPIO1_0
GPIO1_1
GPIO1_2
GPIO1_3
GPIO1_4
GPIO1_5
GPIO1_6
GPIO1_7
GPIO2_0
GPIO2_1
GPIO2_2
GPIO2_3
GPIO2_4
GPIO2_5
GPIO2_6
GPIO2_7
GPIO3_0
GPIO3_1
GPIO3_2
GPIO3_3
GPIO3_4
GPIO3_5
GPIO3_6
GPIO3_7
GPIO4_0
GPIO4_1
GPIO4_2
VDPA_0
VDPA_1
VDPA_2
VDPA_3
VDPA_4
VDPA_5
VDPA_6
VDPA_7
VDPA_8
VDPA_9
VDPA_10
VDPA_11
VDPA_12
VDPA_13
VDPA_14
VDPA_15
VDPA_16
VDPA_17
VDPA_18
VDPA_19
VDPA_20
VDPA_21
VDPA_22
VDPA_23
VDPA_24
VDPA_25
VDPA_26
VDPA_27
VDPA_28
VDPA_29
VDPA_30
VDPA_31
VDPA_32
VDPA_33
VDPA_34
VDPA_35
VDPA_36
PIF_0
PIF_1
PIF_2
PIF_3
PIF_4
PIF_5
PIF_6
PIF_7
PIF_8
PIF_9
PIF_10
XTALIN
XTALOUT
TEST
RESETQ
SCL
SDA
LVDSA_1N
LVDSA_1P
LVDSA_2N
LVDSA_2P
LVDSA_CLKN
LVDSA_CLKP
LVDSA_3N
LVDSA_3P
LVDSA_4N
LVDSA_4P
LVDSB_1N
LVDSB_1P
LVDSB_2N
LVDSB_2P
LVDSB_CLKN
LVDSB_CLKP
LVDSB_3N
LVDSB_3P
LVDSB_4N
LVDSB_4P
GND_1
GND_2
GND_3
GND_4
GND_5
GND_6
GND_7
GND_8
GND_9
GND_10
GND_11
GND_12
GND_13
GND_14
GND_15
GND_16
GND_17
GND_18
GND_19
GND_20
GND_21
GND_22
GND_23
GND_24
GND_25
GND_26
GND_27
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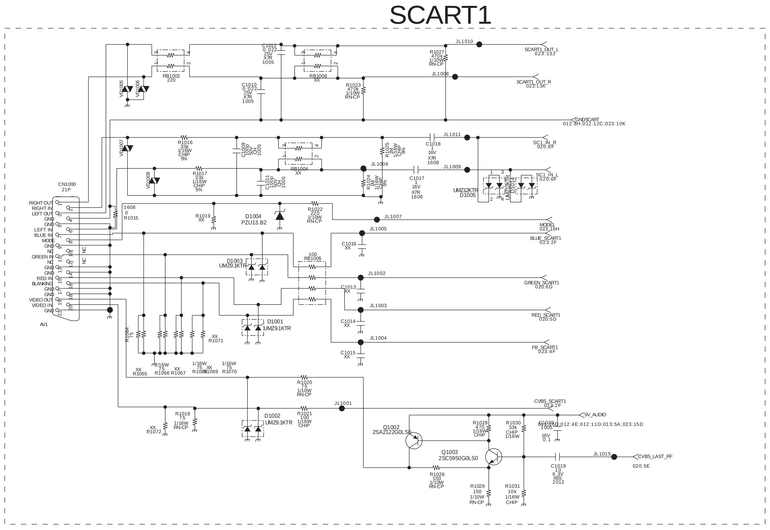
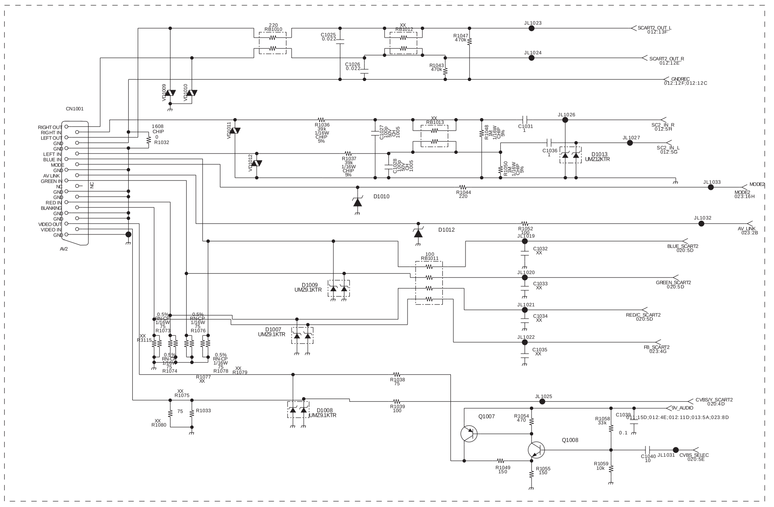
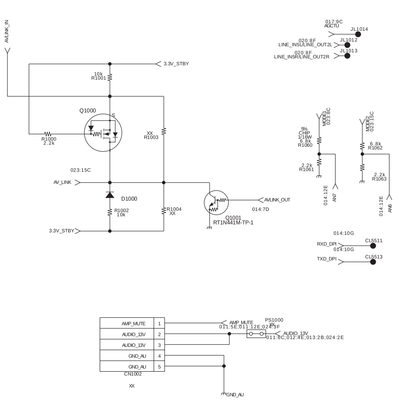
GND_34
GND_35
GND_36
GND_37
GND_38
GND_39
GND_40
GND_41
GND_42
GND_43
GND_44
GND_45
GND_46
GND_47
GND_48
GND_49
GND_50
LVDSA_1N
VSYNC
LVDSA_1P
GND
LVDSA_2N
DCC_ON
LVDSA_2P
GND
LVDSA_CLKN
DCC_LUT
LVDSA_CLKP
GND
LVDSA_3N
SET_ON
LVDSA_3P
GND
LVDSA_4N
SET_ON2
LVDSA_4P
GND
LVDSB_1N
BUS_SW
LVDSB_1P
GND
LVDSB_2N
SDA_TCON
LVDSB_2P
GND
LVDSB_CLKN
SCL_TCON
LVDSB_CLKP
GND
LVDSB_3N
GND
LVDSB_3P
TCON_READY
LVDSB_4N
TCON_VCC
LVDSB_4P
TCON_VCC
PANEL_ON
TCON_VCC
TMS
VCC
TDO
GND
RESET
GND
TDI
DIRESET
TCK
GND
BGE 20/22
COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED
~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 20/22 ~

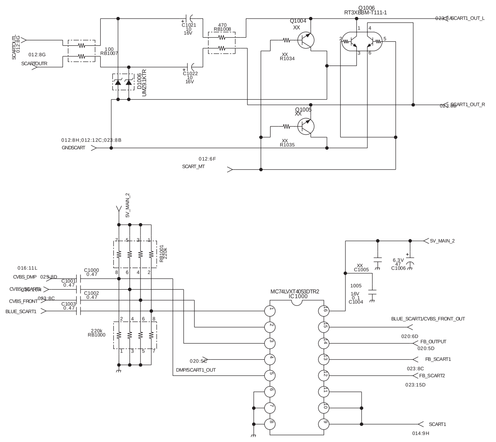
SCART1

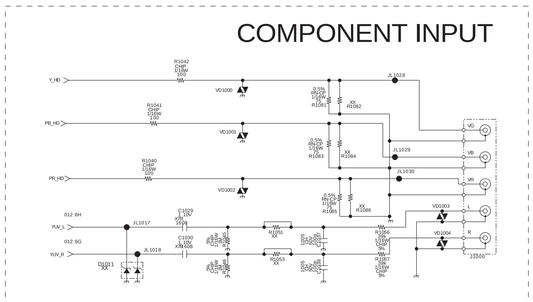


SCART2







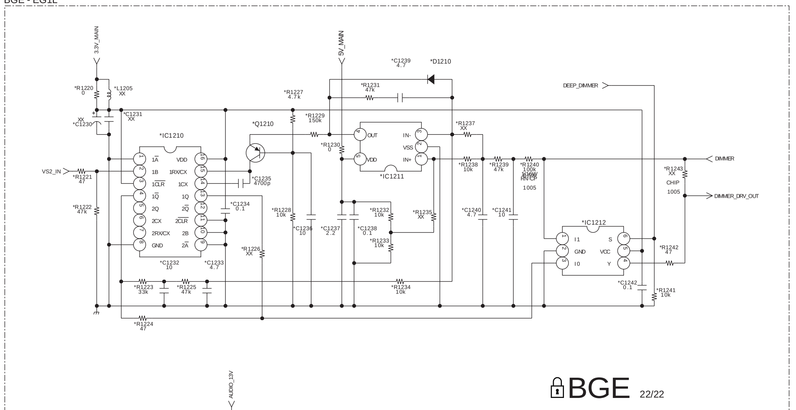


BGE 21/22

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 21/22 ~

BGE - EG1L



BGE 22/22

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ BGE Board Schematic Diagram [Main Microcontroller, HDMI/AV Side/PC Input, Audio Processor, Scarts] Page 22/22 ~

D4 - EG1L

D4 INVERTER POWER SUPPLY

NEW HIT-1300 TYPE
40" HIT-1300
46" HIT-1301
52" HIT-1302

40" FDK NEW Drive Trans
46" SANKEN NEW Drive Trans
52" SANKEN NEW Drive Trans

Y CAP
MURATA TYPE:KK
TDK TYPE:CD

HIROSE MDF61
HIGH VOLTAGE OUTPUT

SUFFIX
40INCH
46INCH
52INCH

52" ONLY

FROM G BOARD

FOR 40"

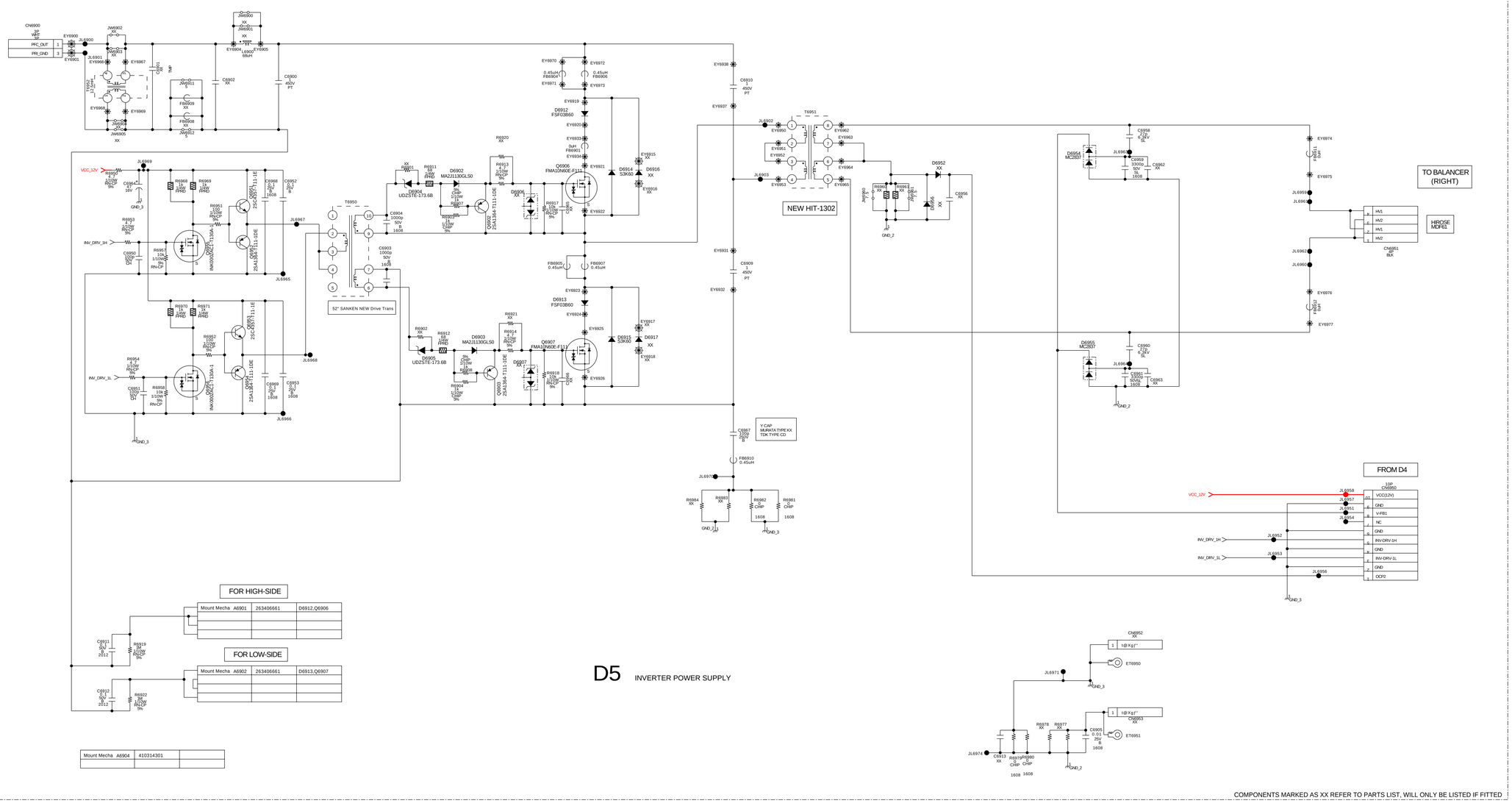
FOR 46",52"

TO BALANCER

To D5

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

D5 - EG1L

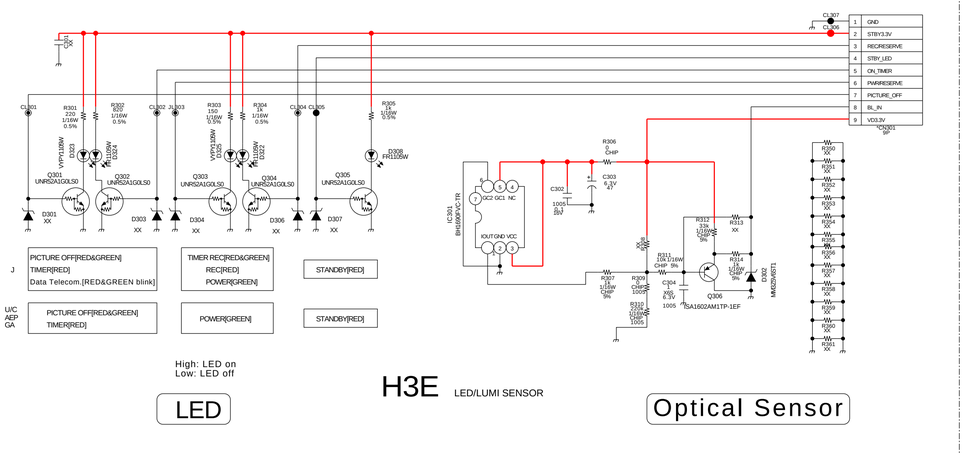


D5 INVERTER POWER SUPPLY

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ D5 Board Schematic Diagram [Inverter Power Supply] ~

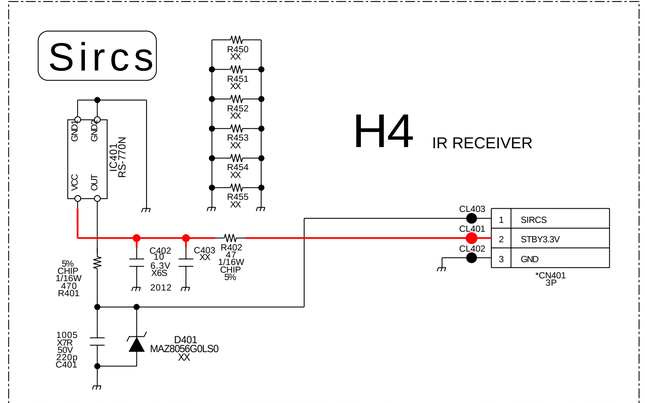
H3E - EG1L



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

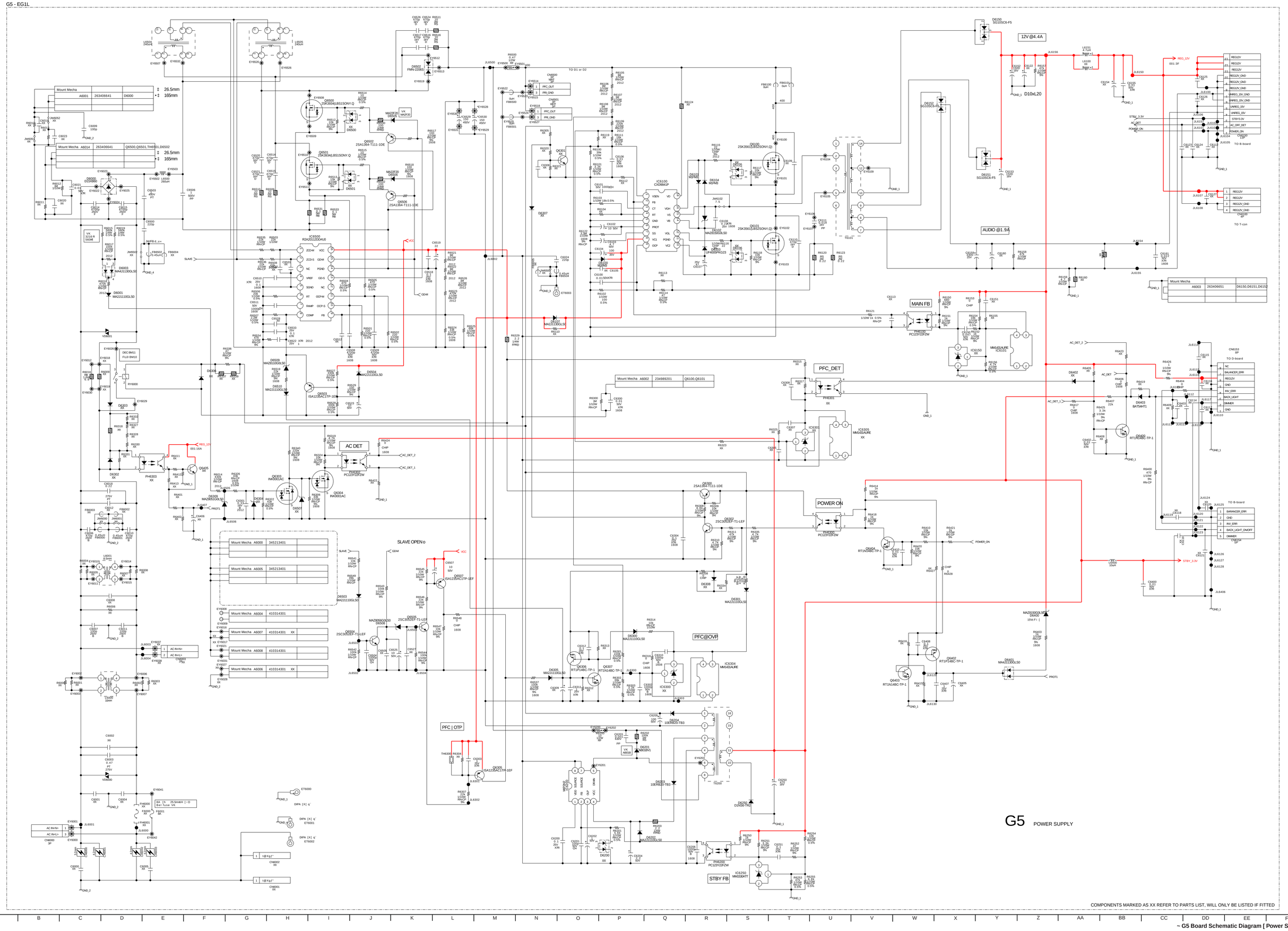
~ H3E Board Schematic Diagram [LED/Lumisensor] ~

H4 - EG1L



COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

~ H4 Board Schematic Diagram [IR Receiver] ~


12V@4.4A
AUDIO @1.9A
D10xL20
MAIN FB
PFC_DET
POWER ON
PFC@OVP
PFC | OTP
STBY FB
AC DET
SLAVE OPEN o
G5 POWER SUPPLY
TO D1 or D2
TO B-board
TO T-con
TO B-board
TO O-board
STBY_3.3V
POWER_ON
PROT1
VCC
GDM
SLAVE
COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

Mount Mecha A6001	263406611	D6000

Mount Mecha A6005	263406611	Q6551,Q6552,THE309,D6555

Mount Mecha A6002	234989201	Q6100,Q6101

Mount Mecha A6003	263406611	D6150,D6151,D6152

12V @6.9A

AUDIO @3.9A

MAIN FB

PFC_DET

POWER ON

PFC@OVP

PFC | OTP

PROTECT

STBY FB

AC DET

SLAVE OPEN o

TO D1 or D2

TO D-board

IP5 1/2 POWER SUPPLY

COMPONENTS MARKED AS XX REFER TO PARTS LIST. WILL ONLY BE LISTED IF FITTED

IP5 - EG1L

IP5 2/2

Mount Mecha A6607	263406661	D6604,Q6602

Mount Mecha A6608	263406661	D6605,Q6603

NEW HIT-1300 TYPE

40" HIT-1300

46" HIT-1301

395V

40" FDK NEW DRIVE TRANS

46" SANKEN NEW DRIVE TRANS

HIROSE MDF61

High Voltage Output

HV1=2kVo-p

HV2=2KVo-p

HV1-HV2:XbgKv

FROM Power Supply

FOR 40"

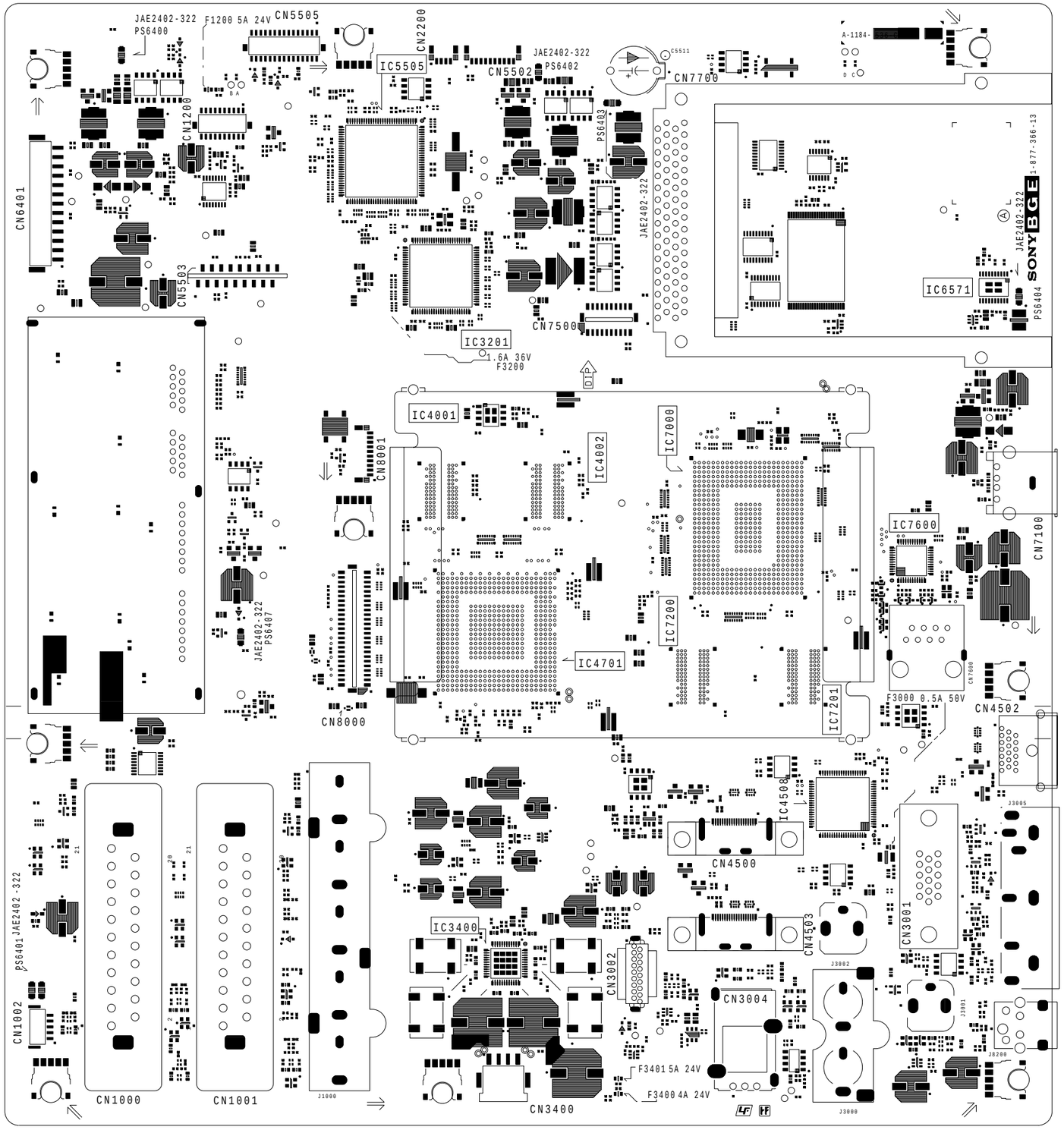
FOR 46"

TO BALANCER BOARD

COMPONENTS MARKED AS XX REFER TO PARTS LIST, WILL ONLY BE LISTED IF FITTED

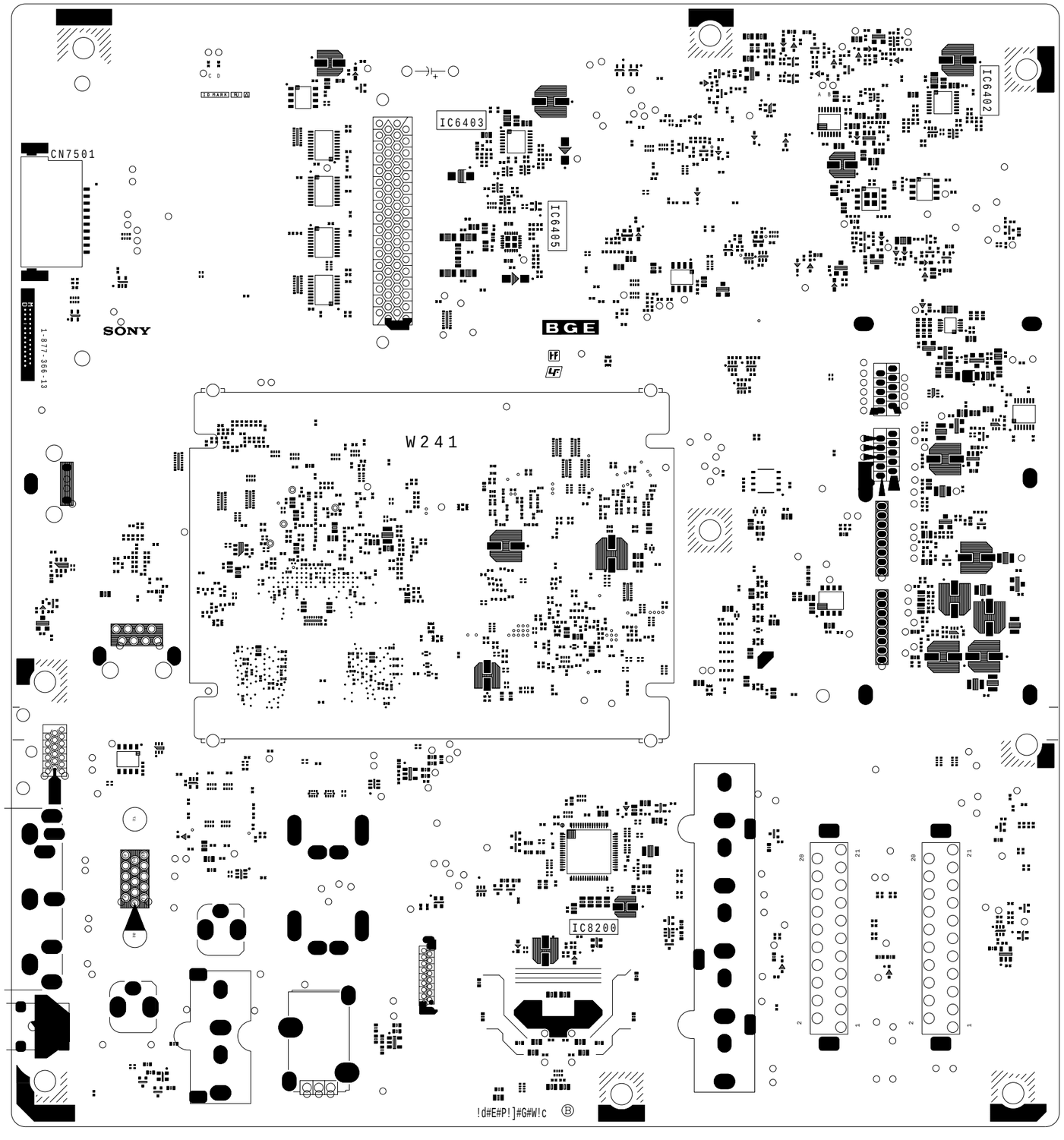
Text Search

~ BGE Printed Wiring Board Side A ~



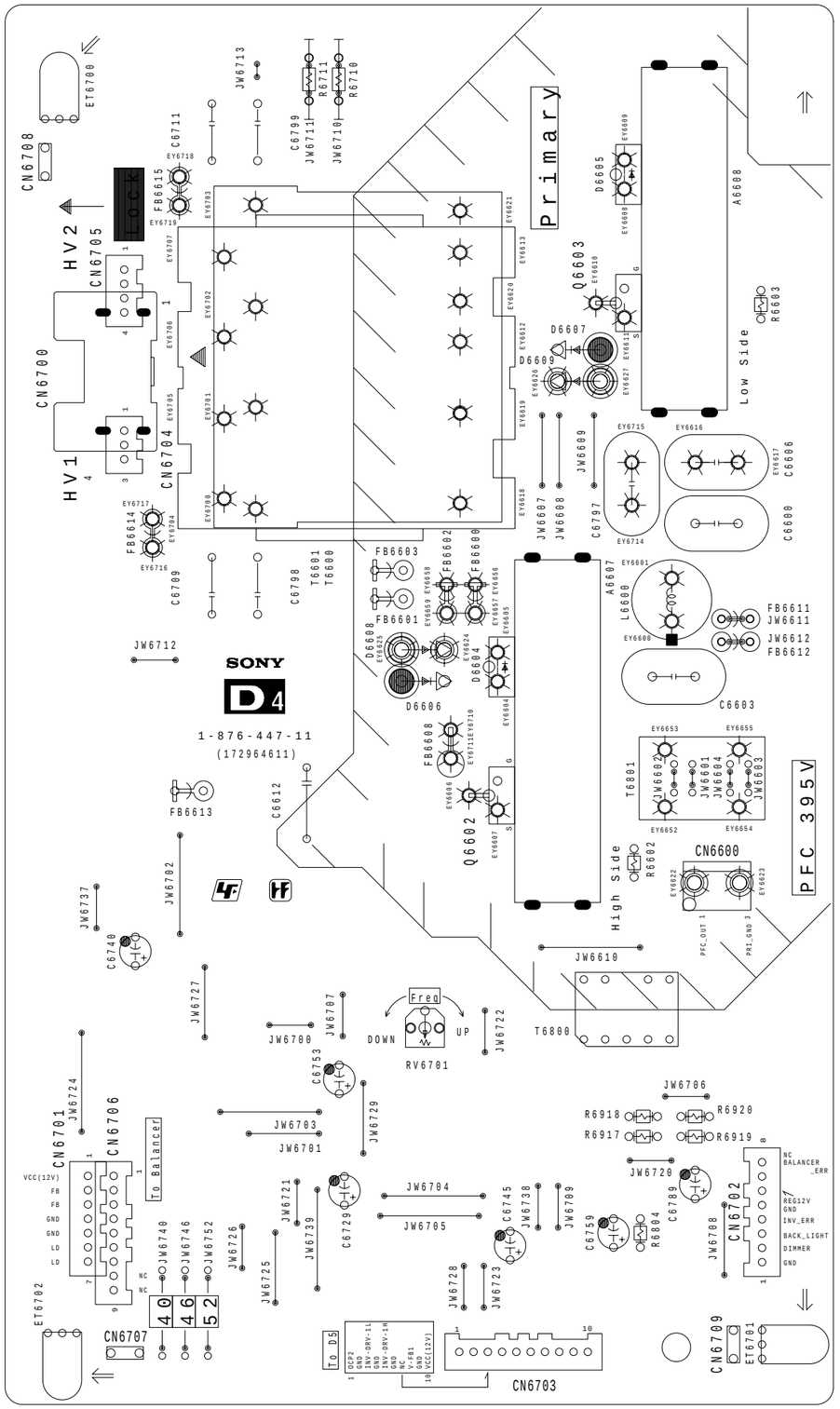
Text Search

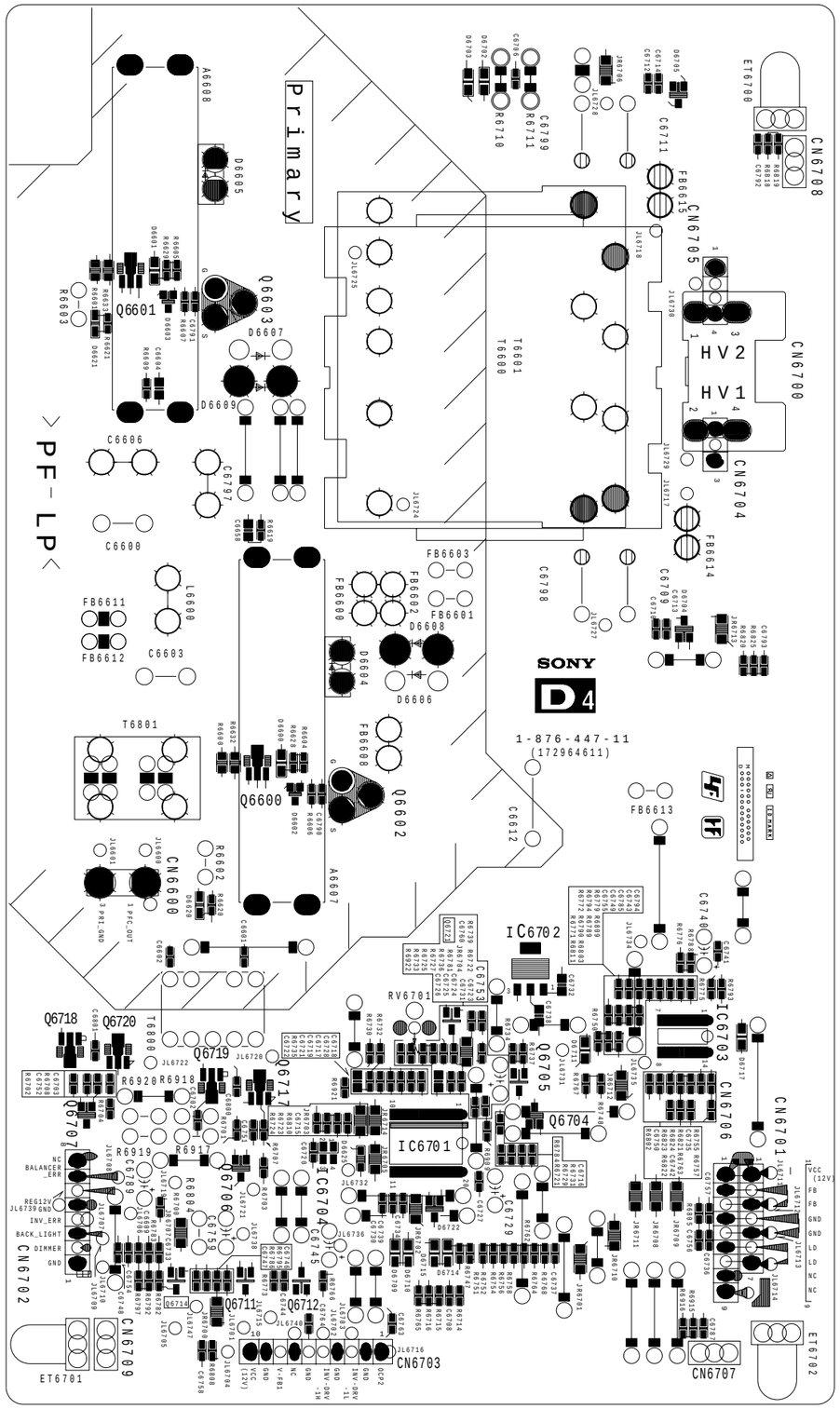
~ BGE Printed Wiring Board Side B ~



~ D4 Printed Wiring Board ~

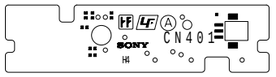
Text Search



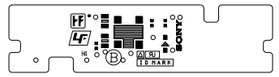


Text Search

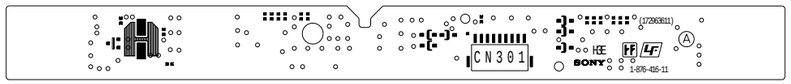
~ H4 Printed Wiring Board Side A ~



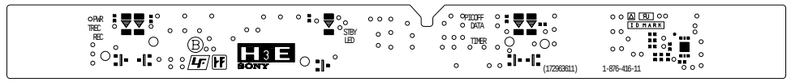
~ H4 Printed Wiring Board Side B ~



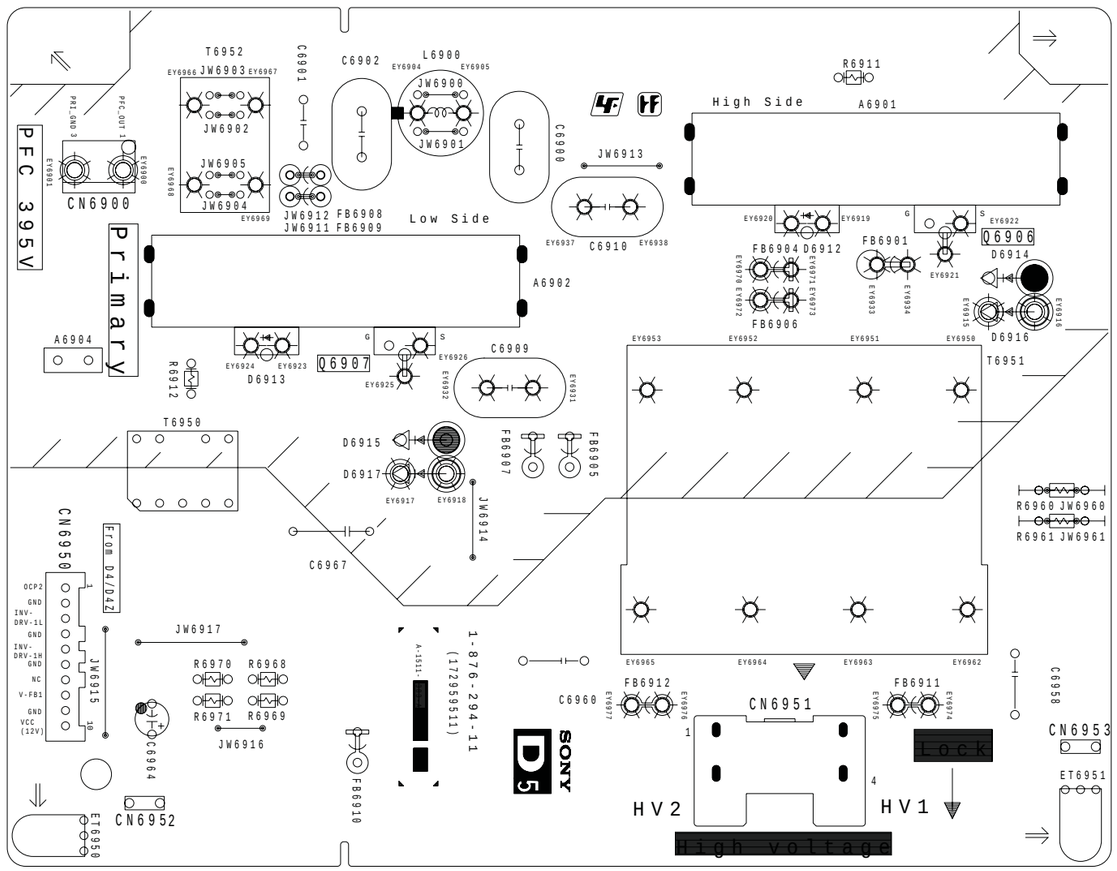
~ H3E Printed Wiring Board Side A ~

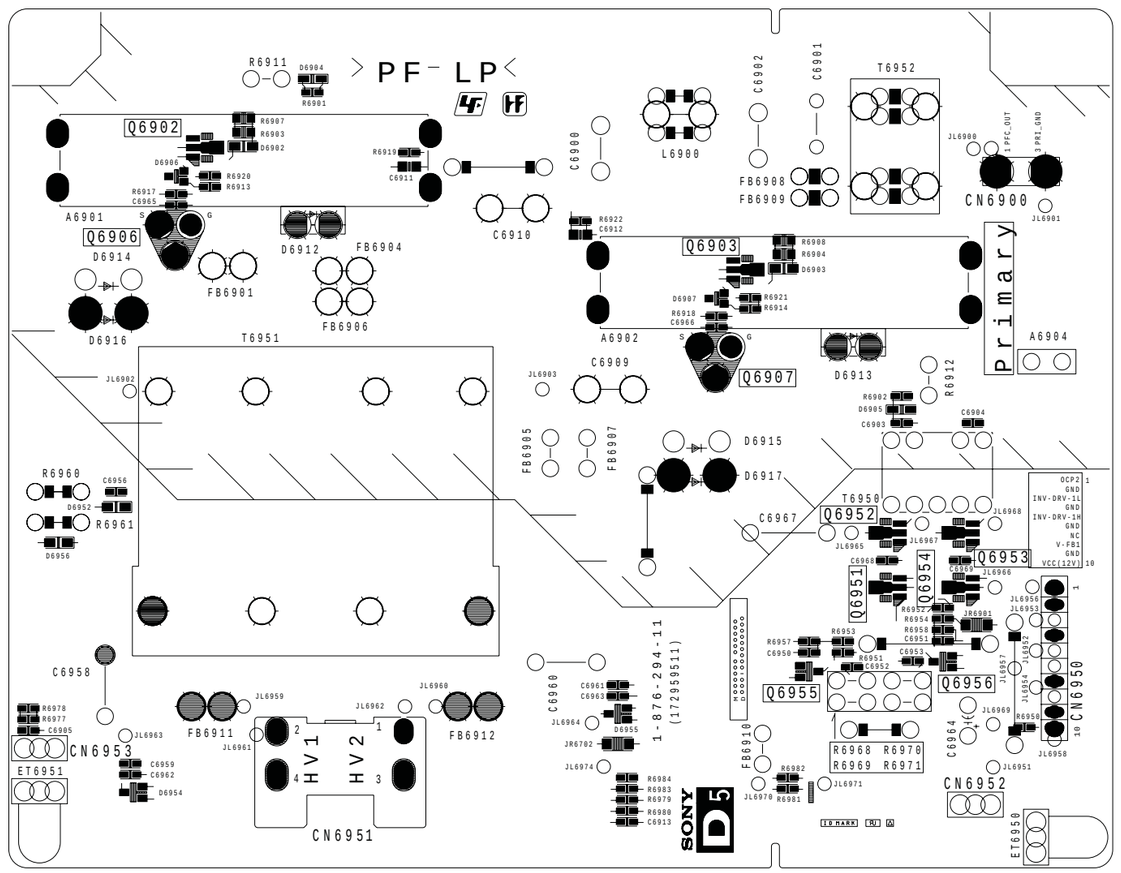


~ H3E Printed Wiring Board Side B ~



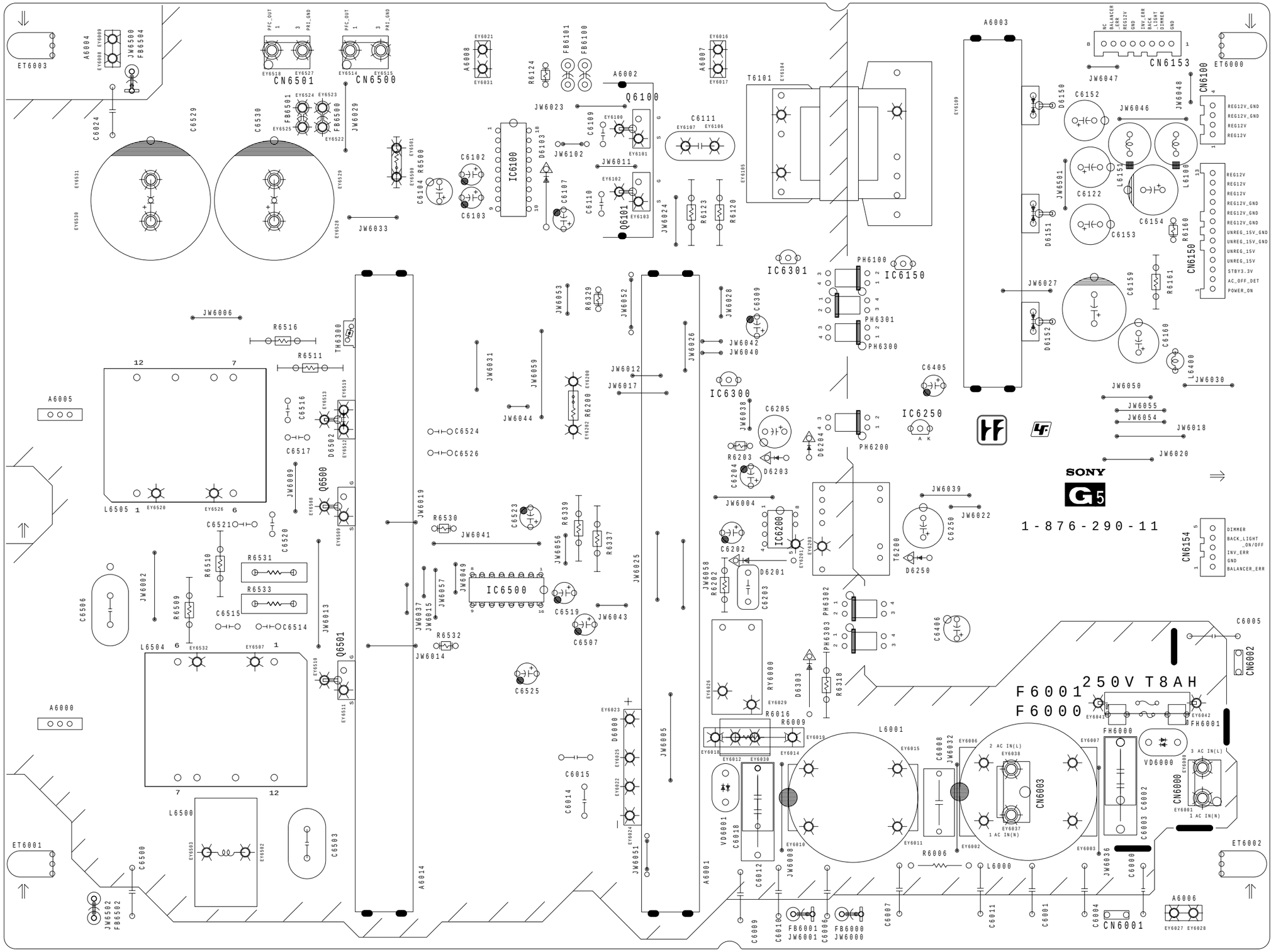
~ D5 Printed Wiring Board Side A ~





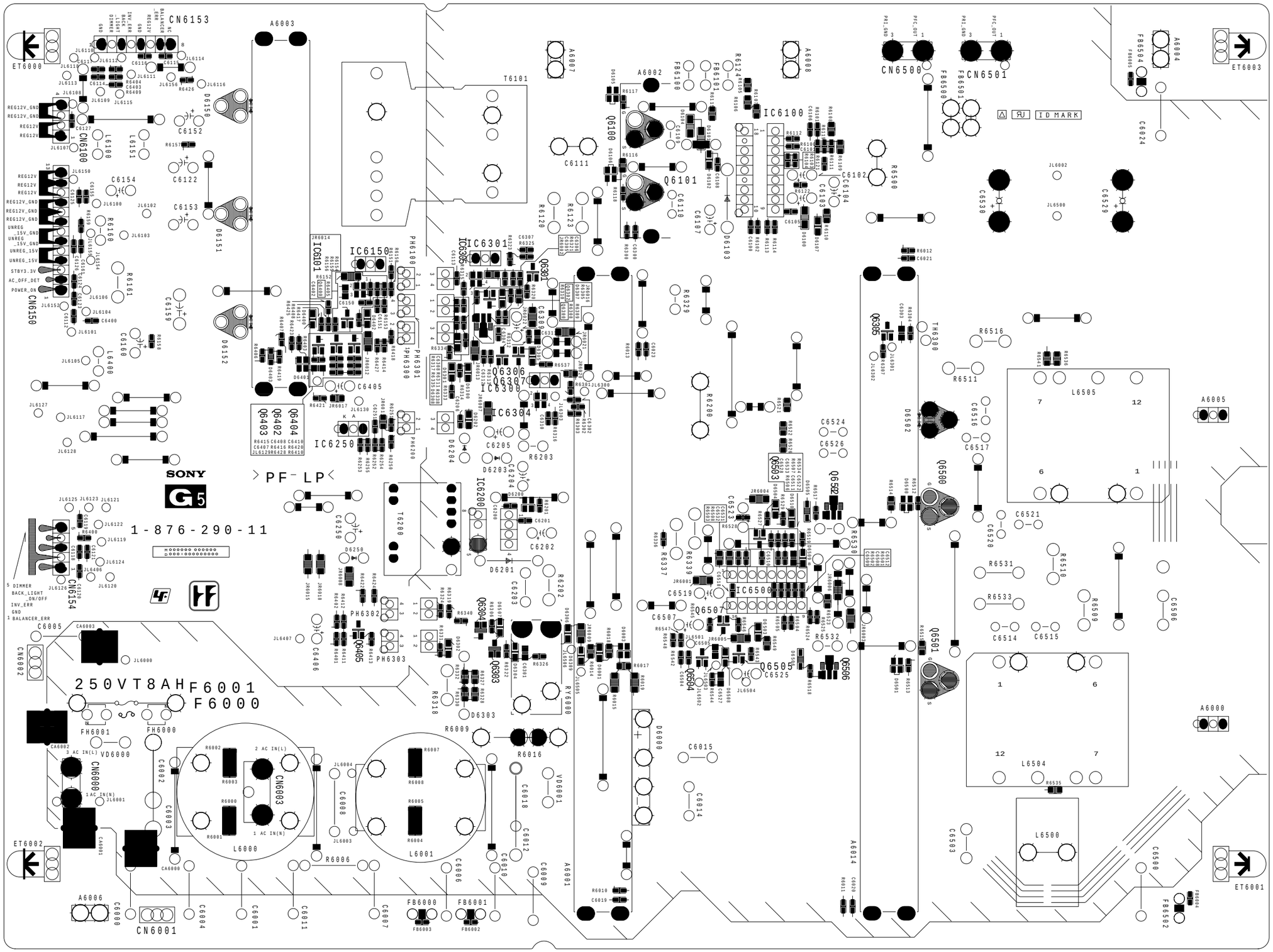
Text Search

~ G5 Printed Wiring Board Side A ~



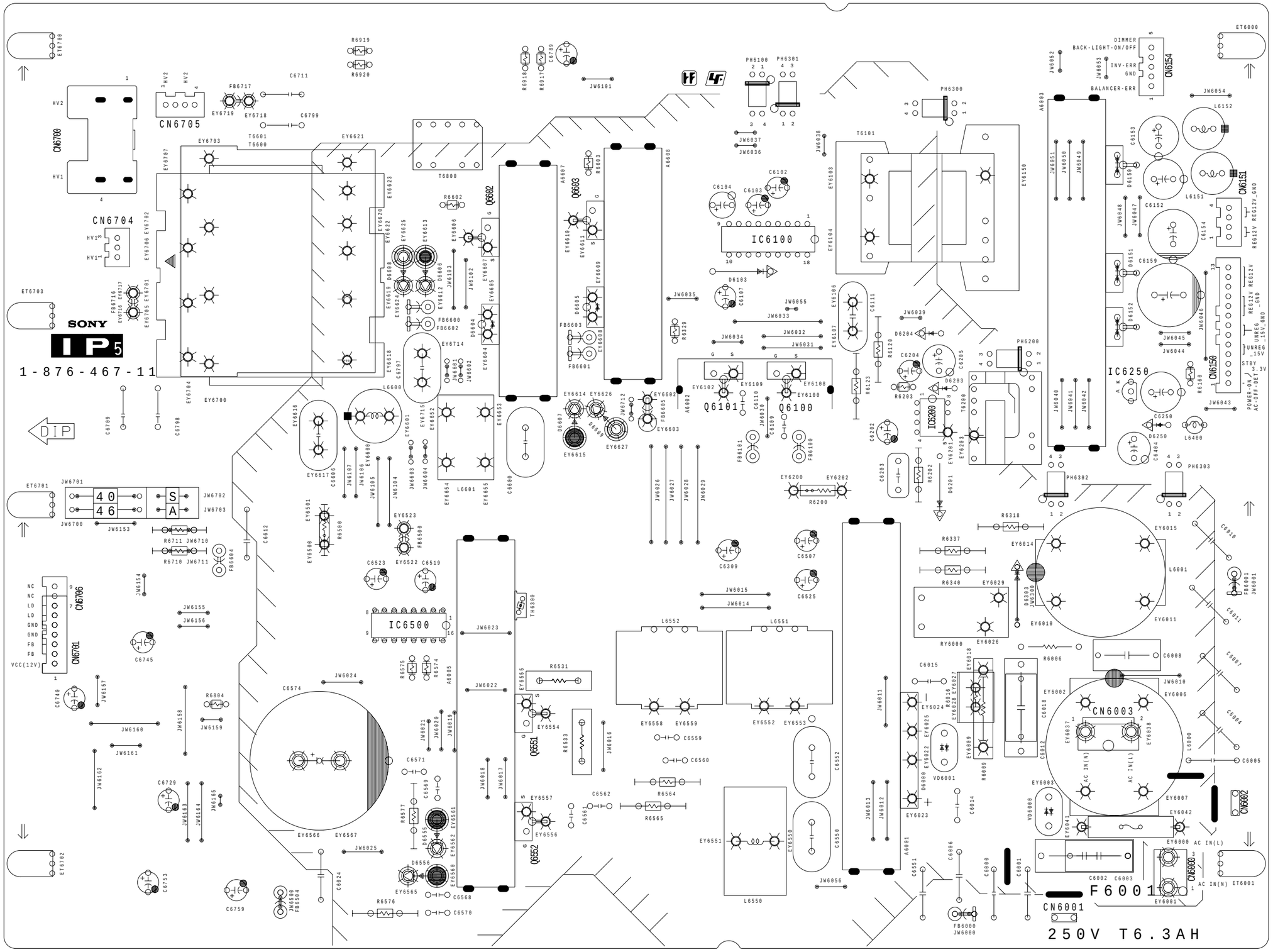
Text Search

~ G5 Printed Wiring Board Side B ~



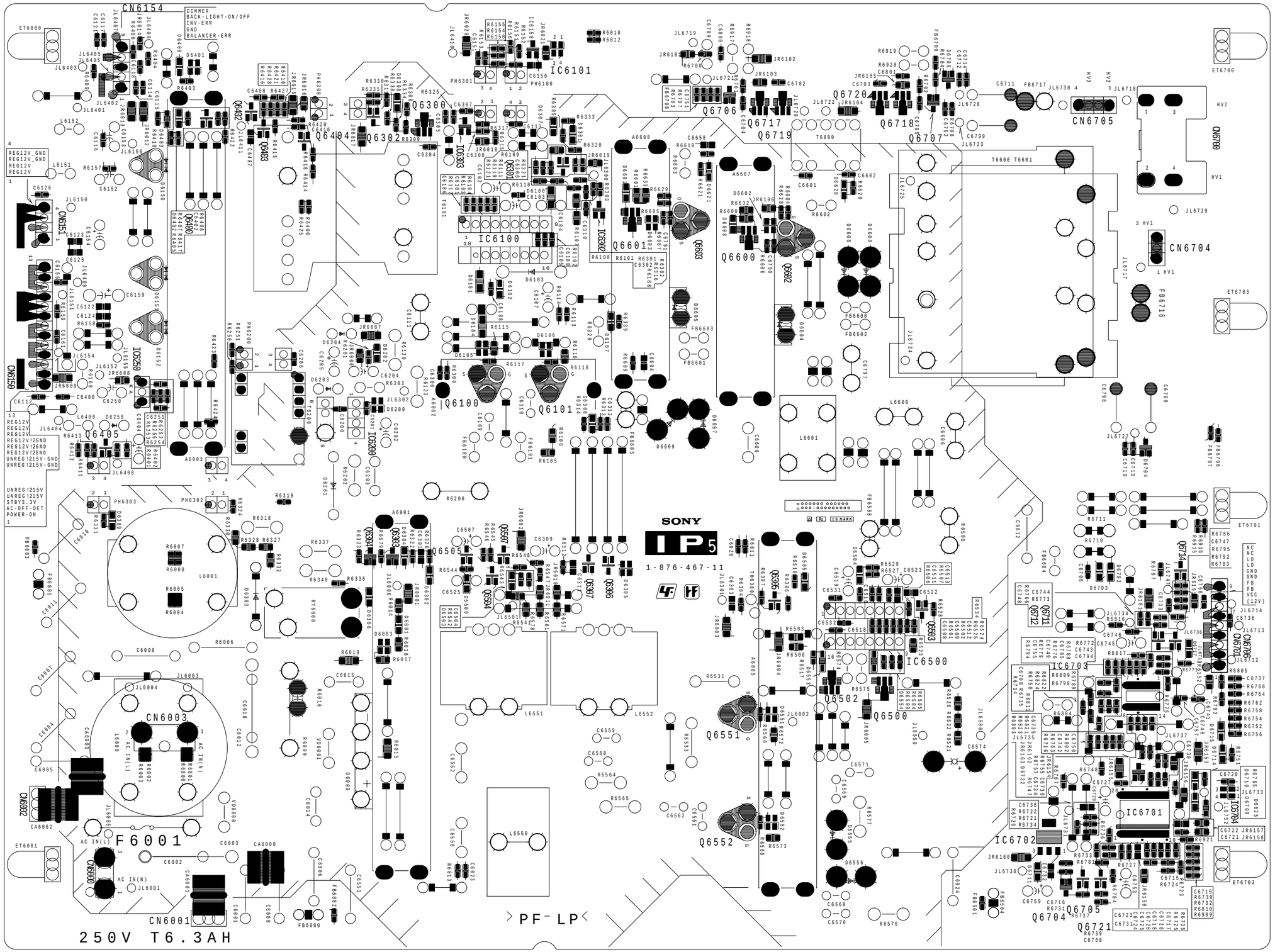
Text Search

~ IP5 Printed Wiring Board Side A ~



Text Search

~ IP5 Printed Wiring Board Side B ~



SECTION 5
EXPLODED VIEWS

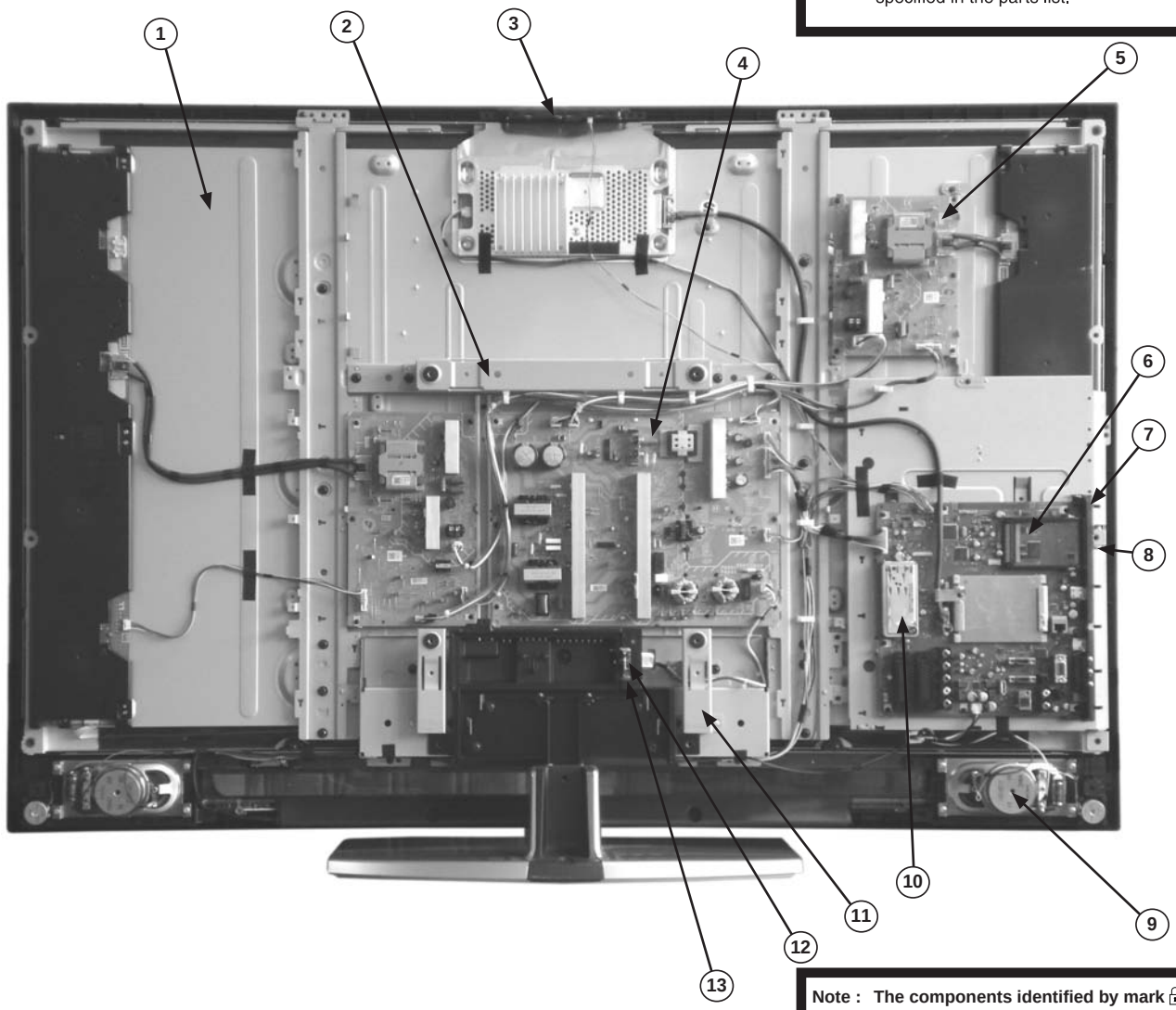
NOTE :

- Non-serviceable items with no part number and no description are not stocked because they are not required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

5-1. CHASSIS



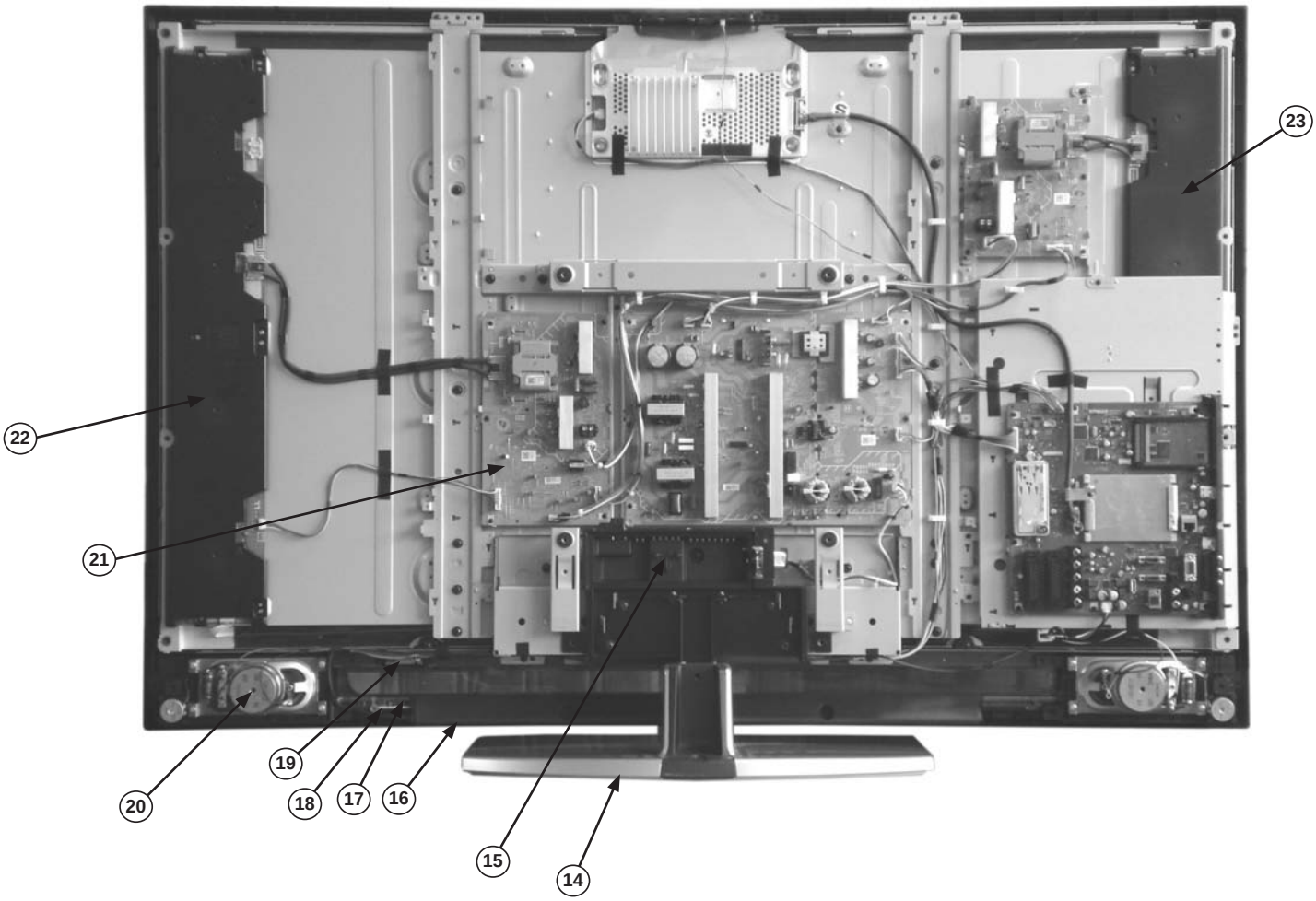
Note : The components identified by mark 🔒 contain confidential information. Strictly follow the instructions when ever the components are repaired and/or replaced.

REF.NO.		PART.NO	DESCRIPTION	REMARK
1	⚠	1-802-778-11	LCD PANEL (40 INCH FHD TFT)	40 inches
	⚠	1-802-777-11	LCD PANEL (46 INCH FHD TFT)	46 inches
	⚠	1-802-776-11	LCD PANEL (52 INCH FHD TFT)	52 inches
2		3-284-384-01	FRAME, VESA (TOP)	40 inches
		3-298-053-03	FRAME, VESA (TOP)	46/52 inches
3	⚠	1-480-708-11	SWITCH UNIT	
4		*A-1557-556-A	IP5 BOARD, COMPLETE	40 inches
		*A-1557-559-A	IP5 BOARD, COMPLETE	46 inches
		*A-1558-703-A	G5 BOARD, COMPLETE	52 inches
5		*A-1553-197-A	D5 BOARD, COMPLETE	52 inches
6	🔒	*A-1557-327-A	BGE BOARD, COMPLETE	
7		X-2189-647-1	SIDE JACK BRACKET ASSY (AEP)	
8		*4-101-356-02	CARD, DUMMY	
9		1-858-041-11	LOUDSPEAKER (3,5.8X12.6CM)	40 inches
		1-826-921-12	LOUDSPEAKER (3,6.5X15CM)	46/52 inches
10		8-597-641-00	TUNER UNIT, DIGITAL BTD-HF411T	
11		3-298-056-01	FRAME, VESA (BOTTOM)	
12	⚠	1-822-097-11	AC INLET	
13	⚠	3-298-060-01	BRACKET, AC INLET	

5-1. CHASSIS Cont.

Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.



REF.NO.	PART.NO	DESCRIPTION	REMARK
14	X-2189-410-2	STAND (ML) ASSY 40 inches	
	X-2189-411-2	STAND (L) ASSY 46 inches	
	X-2190-786-4	STAND (LL) ASSY 52 inches	
15	3-298-014-01	COVER, UNDER (L2) 40/46 inches	
	3-298-229-01	COVER, UNDER (LL) 52 inches	
16	3-298-013-01	BAR, UNDER (ML) 40 inches	
	3-298-029-01	BAR, UNDER (L) 46/52 inches	
17	3-876-467-01	GUIDE, LIGHT(H)	
18	*A-1510-350-A	H3E BOARD, COMPLETE	
19	*A-1510-351-A	H4 BOARD, COMPLETE	
20	1-858-041-21	LOUDSPEAKER (3,5.8X12.6CM) 40 inches	
	1-826-921-22	LOUDSPEAKER (3,6.5X15CM) 46/52 inches	
21	*A-1553-195-A	D4 BOARD, COMPLETE 52 inches	
22	1-857-046-12	ETC-INVERTER MT BOARD 40 inches	
	1-857-047-12	ETC-INVERTER MT BOARD 46 inches	
	1-857-111-12	ETC-INVERTER MT BOARD (LU) 52 inches	
	1-857-112-12	ETC-INVERTER MT BOARD (LL) 52 inches	
23	1-857-113-12	ETC-INVERTER MT BOARD (RU) 52 inches	
	1-857-114-12	ETC-INVERTER MT BOARD (RL) 52 inches	

5-2. BEZEL

Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

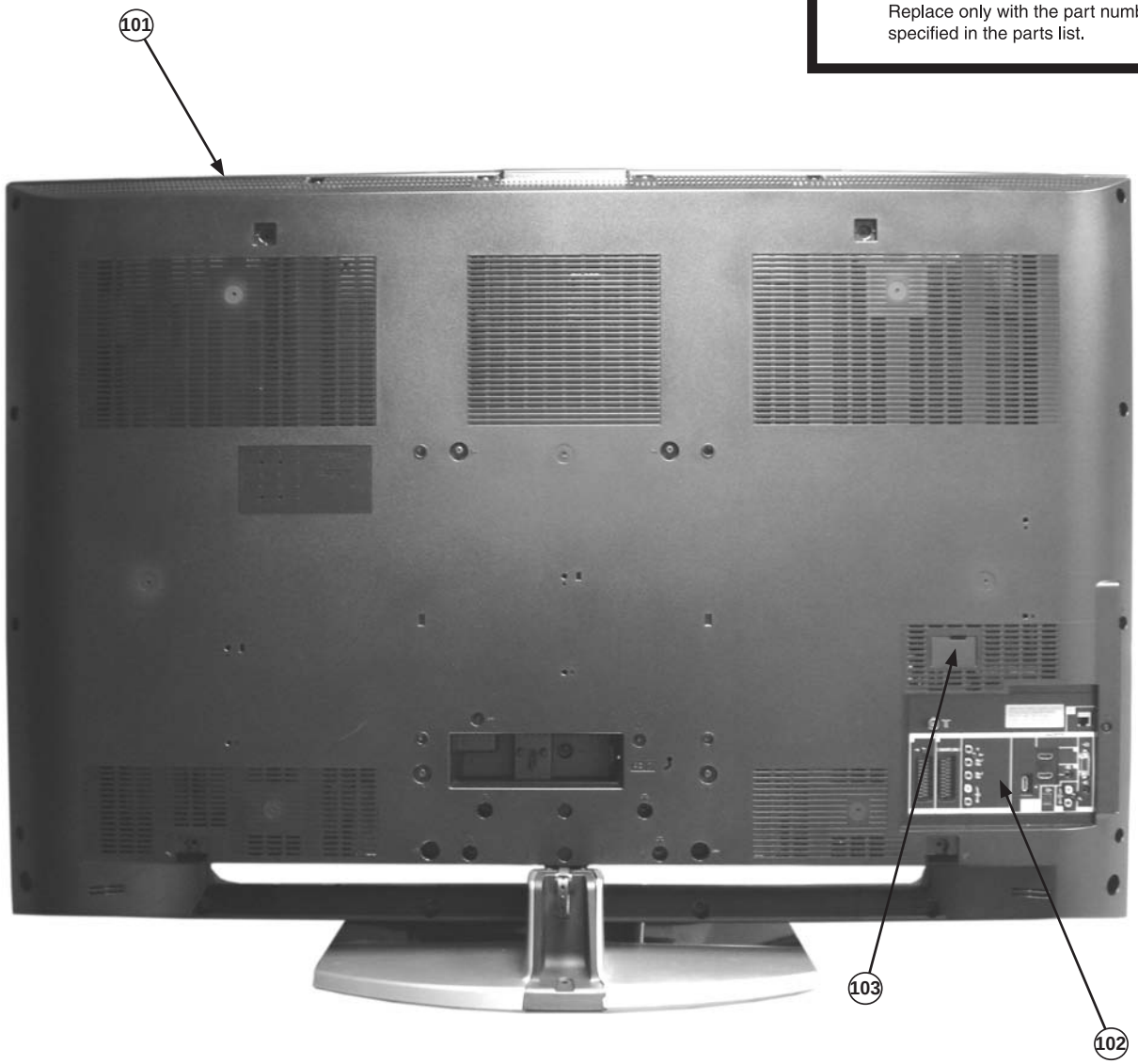
REF.NO.	PART.NO	DESCRIPTION	REMARK
51	X-2319-211-1	BEZEL (40) ASSY	40 inches
	X-2319-212-1	BEZEL (46) ASSY	46 inches
	X-2319-213-1	BEZEL (52) ASSY	52 inches
52	1-480-680-11	ILLUMINATION MODULE	

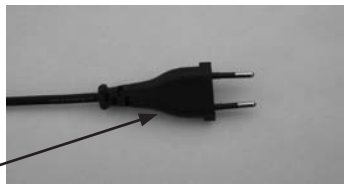
REF.NO.	PART.NO	DESCRIPTION	REMARK
53	X-2319-362-1	CLEAR PANEL (40EH) PRINTED	40 inches
	X-2319-363-1	CLEAR PANEL (46EH) PRINTED	46 inches
	X-2319-364-1	CLEAR PANEL (52EH) PRINTED	52 inches

5-3. REAR COVER & POWER SUPPLY CORDS

Note : Les composants indentifies par une trame et par une marque ⚠ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.





REF.NO.		PART.NO	DESCRIPTION	REMARK
101		3-293-589-01	REAR COVER (40)	40 inches
		3-293-584-01	REAR COVER (46)	46 inches
		3-293-622-01	REAR COVER (52)	52 inches
102		*4-114-194-01	LABEL, REAR TERMINAL	
103		3-106-546-21	COVER,ECS	
104	⚠	1-835-200-11	POWER SUPPLY CORD (AEP)	
105	⚠	1-835-165-11	POWER SUPPLY CORD (UK)	

NOTE :

If ordering item 101 (Rear cover) please order item 102 (Label,rear terminal) as well.

SECTION 6
ELECTRICAL PARTS LIST

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Note: To ensure safety and reliability it is Sony policy that power supply boards should not be repaired at component level in the field as a result... The D4, D5, G5 and IP5 boards are regarded as non service items for exchange only and are not indicated in the parts list of this service manual

Note : Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

Note : The components identified by mark 🔓 contain confidential information. Strictly follow the instructions when ever the components are repaired and/or replaced.

BGE

🔓 * A-1557-327-A BGE Board, Complete

REF.NO.	PART.NO	DESCRIPTION	REMARK
C1000	1-112-780-11	CERAMIC CHIP 0.47UF	10% 16V
C1001	1-112-780-11	CERAMIC CHIP 0.47UF	10% 16V
C1002	1-112-780-11	CERAMIC CHIP 0.47UF	10% 16V
C1003	1-112-780-11	CERAMIC CHIP 0.47UF	10% 16V
C1004	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C1006	1-114-399-21	ELECT CHIP 47UF	20% 6.3V
C1009	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C1010	1-112-778-11	CERAMIC CHIP 0.022UF	10% 25V
C1011	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C1012	1-112-778-11	CERAMIC CHIP 0.022UF	10% 25V
C1017	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C1018	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C1019	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C1020	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C1021	1-100-765-21	ELECT CHIP 10UF	20% 16V
C1022	1-100-765-21	ELECT CHIP 10UF	20% 16V
C1025	1-112-778-11	CERAMIC CHIP 0.022UF	10% 25V
C1026	1-112-778-11	CERAMIC CHIP 0.022UF	10% 25V
C1027	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C1028	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C1029	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C1030	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C1031	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C1036	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C1037	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C1038	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C1039	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C1040	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C1232	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C1233	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C1234	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C1235	1-112-776-11	CERAMIC CHIP 0.0047UF	10% 50V
C1236	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C1237	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C1238	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C1239	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C1240	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C1241	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C1242	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2200	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2201	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C2202	1-112-001-81	CERAMIC CHIP 270PF	5% 50V
C2205	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C2206	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2208	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C2210	1-114-332-11	CERAMIC CHIP 22UF	10% 6.3V
C2211	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2212	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2215	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2216	1-114-332-11	CERAMIC CHIP 22UF	10% 6.3V
C2217	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C2218	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2219	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C2220	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2223	1-135-366-11	ELECT CHIP 100UF	20% 16V
C2225	1-135-366-11	ELECT CHIP 100UF	20% 16V
C2226	1-164-852-11	CERAMIC CHIP 12PF	5.00% 50V
C2227	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C2228	1-135-366-11	ELECT CHIP 100UF	20% 16V
C2229	1-164-852-11	CERAMIC CHIP 12PF	5.00% 50V
C2230	1-135-366-11	ELECT CHIP 100UF	20% 16V
C2231	1-112-776-11	CERAMIC CHIP 0.0047UF	10% 50V
C2236	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2237	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2238	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2239	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2240	1-100-904-11	CERAMIC CHIP 330PF	10% 50V
C2244	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C2245	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C2246	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C2247	1-114-325-11	CERAMIC CHIP 0.1UF	10% 25V
C2249	1-112-161-21	ELECT CHIP 1000UF	20% 6.3V
C2250	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C2251	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C2254	1-114-407-21	ELECT CHIP 4.7UF	20% 50V
C2255	1-112-780-11	CERAMIC CHIP 0.47UF	10% 16V
C2256	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C2257	1-114-817-11	CERAMIC CHIP 2.2UF	10% 50V
C2258	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C2259	1-114-868-11	CERAMIC CHIP 0.1UF	10% 50V
C2260	1-114-325-11	CERAMIC CHIP 0.1UF	10% 25V
C2261	1-114-325-11	CERAMIC CHIP 0.1UF	10% 25V
C2268	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C2269	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C2270	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C2272	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C2275	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3014	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3026	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3027	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3028	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3029	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3030	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C3031	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C3032	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C3033	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C3046	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3047	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C3048	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3049	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3060	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C3061	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C3062	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C3063	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C3072	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3073	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3075	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3076	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3077	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3078	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C3079	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C3080	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3081	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C3082	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C3083	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3084	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C3202	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3203	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3204	1-114-332-11	CERAMIC CHIP 22UF	10% 6.3V
C3205	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3206	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C3207	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3208	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3209	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C3210	1-114-354-11	CAP, CERAMIC 0.1MF X7R (1410)	
C3211	1-114-354-11	CAP, CERAMIC 0.1MF X7R (1410)	
C3212	1-114-354-11	CAP, CERAMIC 0.1MF X7R (1410)	
C3213	1-114-332-11	CERAMIC CHIP 22UF	10% 6.3V
C3214	1-114-354-11	CAP, CERAMIC 0.1MF X7R (1410)	
C3215	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3216	1-114-354-11	CAP, CERAMIC 0.1MF X7R (1410)	
C3217	1-114-354-11	CAP, CERAMIC 0.1MF X7R (1410)	
C3218	1-114-354-11	CAP, CERAMIC 0.1MF X7R (1410)	
C3220	1-114-354-11	CAP, CERAMIC 0.1MF X7R (1410)	
C3221	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3222	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3223	1-114-354-11	CAP, CERAMIC 0.1MF X7R (1410)	
C3225	1-114-354-11	CAP, CERAMIC 0.1MF X7R (1410)	
C3226	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3227	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C3229	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C3230	1-114-354-11	CAP, CERAMIC 0.1MF X7R (1410)	
C3231	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C3233	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3234	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C3235	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3238	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C3239	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3240	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3241	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C3242	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C3243	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3245	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C3246	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C3250	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3251	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C3406	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C3407	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C3417	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C3418	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C3419	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C3420	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C3426	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C3427	1-114-407-21	ELECT CHIP 4.7UF	20% 50V
C3428	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C3429	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C3430	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C3431	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C3442	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C3443	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C3446	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C3447	1-114-193-11	ELECT CHIP 470UF	20% 25V
C3448	1-114-193-11	ELECT CHIP 470UF	20% 25V
C3449	1-114-325-11	CERAMIC CHIP 0.1UF	10% 25V
C3450	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C3451	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C3452	1-114-193-11	ELECT CHIP 470UF	20% 25V
C3453	1-114-325-11	CERAMIC CHIP 0.1UF	10% 25V
C3458	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C3459	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C3464	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C3465	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C3466	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C3467	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C3469	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C3470	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C3480	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C3482	1-100-767-21	ELECT CHIP 220UF	20% 16V
C3484	1-112-065-11	CERAMIC CHIP 4.7UF	10% 16V
C4003	1-135-366-11	ELECT CHIP 100UF	20% 16V
C4006	1-135-366-11	ELECT CHIP 100UF	20% 16V
C4007	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4009	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4012	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C4013	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4014	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C4016	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C4017	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V

REF.NO.	PART.NO	DESCRIPTION	REMARK		REF.NO.	PART.NO	DESCRIPTION	REMARK	
C4019	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4529	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C4021	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4532	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4023	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4533	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4025	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4534	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4027	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4535	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4030	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4710	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C4031	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4711	1-114-813-11	CERAMIC CHIP 1UF	10%	16V
C4033	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4712	1-114-813-11	CERAMIC CHIP 1UF	10%	16V
C4035	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4718	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4038	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4723	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4039	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4724	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C4042	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4726	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C4043	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4727	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4046	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4728	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4047	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4729	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4049	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4730	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C4051	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4731	1-114-399-21	ELECT CHIP 47UF	20%	6.3V
C4053	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4732	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4055	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4733	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4057	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4734	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4059	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4735	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4061	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4736	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4063	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4737	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4065	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4738	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4067	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4739	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4070	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4740	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4071	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4741	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4072	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4742	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4073	1-112-774-11	CERAMIC CHIP 470PF	10%	50V	C4743	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4074	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4744	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4075	1-112-774-11	CERAMIC CHIP 470PF	10%	50V	C4745	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C4076	1-112-774-11	CERAMIC CHIP 470PF	10%	50V	C4747	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4077	1-112-774-11	CERAMIC CHIP 470PF	10%	50V	C4748	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C4078	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4750	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4079	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4751	1-100-905-11	CERAMIC CHIP 0.001UF	10%	50V
C4502	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4753	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4510	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4754	1-112-774-11	CERAMIC CHIP 470PF	10%	50V
C4511	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4755	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4516	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C4756	1-112-774-11	CERAMIC CHIP 470PF	10%	50V
C4517	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C4757	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4518	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C5006	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4519	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C5007	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4520	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C5008	1-114-813-11	CERAMIC CHIP 1UF	10%	16V
C4521	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C5009	1-114-813-11	CERAMIC CHIP 1UF	10%	16V
C4522	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C5011	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4523	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C5013	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4524	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C5014	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4525	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C5015	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C4527	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5016	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C4528	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V	C5017	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V

REF.NO.	PART.NO	DESCRIPTION	REMARK		REF.NO.	PART.NO	DESCRIPTION	REMARK	
C5018	1-112-774-11	CERAMIC CHIP 470PF	10%	50V	C5089	1-114-172-91	CERAMIC CHIP 2.2UF	20%	4V
C5019	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5091	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5020	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5092	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5021	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5093	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5023	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5094	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5024	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5095	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5026	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5096	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5027	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V	C5097	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5028	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V	C5098	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5029	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5099	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5030	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V	C5100	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5031	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5101	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5032	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5102	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5033	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5103	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V
C5034	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5104	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5035	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5500	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C5036	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5501	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5038	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5502	1-112-781-11	CERAMIC CHIP 1UF	10%	10V
C5039	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5503	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5040	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5504	1-112-778-11	CERAMIC CHIP 0.022UF	10%	25V
C5041	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5505	1-164-842-11	CERAMIC CHIP 2PF	0.25PF	50V
C5043	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5506	1-164-843-11	CERAMIC CHIP 3PF	0.25PF	50V
C5044	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5507	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5045	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5508	1-114-399-21	ELECT CHIP 47UF	20%	6.3V
C5046	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5509	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5047	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5510	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C5049	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5511	1-104-905-11	DOUBLE LAYER 0.22F		5.5V
C5050	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5512	1-164-862-11	CERAMIC CHIP 33PF	5.00%	50V
C5051	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5513	1-164-862-11	CERAMIC CHIP 33PF	5.00%	50V
C5052	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5514	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5058	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5515	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5060	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5516	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5062	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5517	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5064	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V	C5519	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5065	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5520	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5067	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V	C5523	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5068	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5527	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5069	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5528	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5070	1-114-172-91	CERAMIC CHIP 2.2UF	20%	4V	C5532	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C5073	1-114-172-91	CERAMIC CHIP 2.2UF	20%	4V	C5540	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5074	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V	C5543	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5075	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C5544	1-164-874-11	CERAMIC CHIP 100PF	5.00%	50V
C5076	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C5546	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5078	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C6400	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V
C5079	1-112-064-11	CERAMIC CHIP 2.2UF	10%	10V	C6401	1-114-813-11	CERAMIC CHIP 1UF	10%	16V
C5082	1-114-172-91	CERAMIC CHIP 2.2UF	20%	4V	C6402	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C5084	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V	C6403	1-112-777-11	CERAMIC CHIP 0.01UF	10%	25V
C5086	1-114-172-91	CERAMIC CHIP 2.2UF	20%	4V	C6404	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C5087	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C6405	1-100-909-11	CERAMIC CHIP 10UF	10%	6.3V
C5088	1-100-916-11	CERAMIC CHIP 0.1UF	10%	16V	C6406	1-114-353-11	CAP, CERAMIC 0.01MF X7R (1410)		

REF.NO.	PART.NO	DESCRIPTION	REMARK
C6407	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6408	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6409	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C6410	1-135-366-11	ELECT CHIP 100UF	20% 16V
C6411	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6412	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6413	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C6414	1-135-366-11	ELECT CHIP 100UF	20% 16V
C6415	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6416	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6417	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6418	1-114-802-11	CERAMIC CHIP 0.0033UF	10% 50V
C6421	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6422	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C6423	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6424	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6426	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6427	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6428	1-114-807-11	CERAMIC CHIP 0.015UF	10% 25V
C6429	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C6430	1-112-780-11	CERAMIC CHIP 0.47UF	10% 16V
C6431	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6432	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V
C6434	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C6435	1-135-366-11	ELECT CHIP 100UF	20% 16V
C6436	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C6437	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6438	1-114-807-11	CERAMIC CHIP 0.015UF	10% 25V
C6439	1-114-415-21	ELECT CHIP 100UF	20% 6.3V
C6440	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6441	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C6442	1-114-415-21	ELECT CHIP 100UF	20% 6.3V
C6445	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C6447	1-114-808-11	CERAMIC CHIP 0.033UF	10% 16V
C6448	1-112-774-11	CERAMIC CHIP 470PF	10% 50V
C6449	1-114-807-11	CERAMIC CHIP 0.015UF	10% 25V
C6450	1-112-775-11	CERAMIC CHIP 0.0022UF	10% 50V
C6451	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C6452	1-112-774-11	CERAMIC CHIP 470PF	10% 50V
C6454	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C6455	1-218-949-11	METAL CHIP 470 5% 1/16W	
C6456	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6457	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6460	1-114-415-21	ELECT CHIP 100UF	20% 6.3V
C6470	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C6471	1-112-774-11	CERAMIC CHIP 470PF	10% 50V
C6472	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6474	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6476	1-112-774-11	CERAMIC CHIP 470PF	10% 50V
C6479	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6483	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6488	1-135-366-11	ELECT CHIP 100UF	20% 16V
C6489	1-135-366-11	ELECT CHIP 100UF	20% 16V
C6494	1-100-963-21	ELECT CHIP 330UF	20% 4V
C6499	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C6502	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6503	1-112-065-11	CERAMIC CHIP 4.7UF	10% 16V
C6505	1-114-325-11	CERAMIC CHIP 0.1UF	10% 25V
C6514	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C6516	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C6517	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C6519	1-112-774-11	CERAMIC CHIP 470PF	10% 50V
C6522	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6525	1-114-325-11	CERAMIC CHIP 0.1UF	10% 25V
C6530	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6531	1-112-065-11	CERAMIC CHIP 4.7UF	10% 16V
C6532	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6535	1-100-963-21	ELECT CHIP 330UF	20% 4V
C6536	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C6537	1-114-415-21	ELECT CHIP 100UF	20% 6.3V
C6543	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6545	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6570	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C6571	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6572	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6573	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6574	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C6575	1-114-808-11	CERAMIC CHIP 0.033UF	10% 16V
C6576	1-164-882-11	CERAMIC CHIP 220PF	5.00% 16V
C6577	1-114-802-11	CERAMIC CHIP 0.0033UF	10% 50V
C6578	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C6579	1-112-786-11	ELECT CHIP 330UF	20% 4V
C6580	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6581	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6582	1-100-911-11	CERAMIC CHIP 4.7UF	10% 25V
C6584	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C6585	1-114-807-11	CERAMIC CHIP 0.015UF	10% 25V
C6586	1-114-320-11	CERAMIC CHIP 0.22UF	10% 6.3V
C6587	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C6588	1-114-410-21	CERAMIC CHIP 680PF	2% 50V
C6591	1-114-410-21	CERAMIC CHIP 680PF	2% 50V
C6593	1-114-410-21	CERAMIC CHIP 680PF	2% 50V
C6594	1-114-410-21	CERAMIC CHIP 680PF	2% 50V
C6596	1-114-410-21	CERAMIC CHIP 680PF	2% 50V
C6597	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C6598	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C6599	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6608	1-114-410-21	CERAMIC CHIP 680PF	2% 50V
C6613	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C6614	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C6615	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6616	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6617	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6618	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6619	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C6620	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7000	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C7001	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C7002	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7003	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7004	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7005	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7006	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7007	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7008	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7009	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7010	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7011	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7013	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7014	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7015	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7017	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7018	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7019	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7020	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7021	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7022	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7023	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7024	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7026	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7027	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7028	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7029	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7030	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7034	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7035	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7036	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7037	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7038	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7039	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7040	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7041	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7043	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7044	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7045	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7100	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C7101	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7102	1-112-780-11	CERAMIC CHIP 0.47UF	10% 16V
C7103	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7104	1-164-849-11	CERAMIC CHIP 9PF	0.50PF 50V
C7105	1-164-849-11	CERAMIC CHIP 9PF	0.50PF 50V
C7106	1-164-856-81	CERAMIC CHIP 18PF	5.00% 50V
C7107	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7108	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7109	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C7110	1-164-854-11	CERAMIC CHIP 15PF	5.00% 50V
C7111	1-114-296-11	ELECT CHIP 820UF	20% 6.3V
C7112	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7113	1-100-767-21	ELECT CHIP 220UF	20% 16V
C7114	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7115	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C7200	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7201	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7202	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7203	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7204	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7205	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7206	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7207	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7208	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7210	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7211	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7212	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7213	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7214	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7215	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7216	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7217	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7218	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7219	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7220	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7221	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7222	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7223	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7224	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7225	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7226	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7227	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7228	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7229	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7230	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7231	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7232	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7233	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7234	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7235	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7236	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7237	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7238	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7239	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V

REF.NO.	PART.NO	DESCRIPTION	REMARK
C7240	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7241	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7242	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7243	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7244	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7245	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7246	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7300	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7301	1-112-781-11	CERAMIC CHIP 1UF	10% 10V
C7302	1-112-777-11	CERAMIC CHIP 0.01UF	10% 25V
C7400	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7401	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7402	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7403	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C7404	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C7405	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7406	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7407	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7600	1-100-909-11	CERAMIC CHIP 10UF	10% 6.3V
C7601	1-114-399-21	ELECT CHIP 47UF	20% 6.3V
C7602	1-114-332-11	CERAMIC CHIP 22UF	10% 6.3V
C7603	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7605	1-114-332-11	CERAMIC CHIP 22UF	10% 6.3V
C7606	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7607	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7608	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7609	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7610	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7611	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7612	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7613	1-114-332-11	CERAMIC CHIP 22UF	10% 6.3V
C7614	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7615	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C7703	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7708	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7709	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7710	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7711	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7712	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7713	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7714	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7715	1-114-331-11	CERAMIC CHIP 4.7UF	10% 10V
C7716	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C7717	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C8030	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C8031	1-164-850-11	CERAMIC CHIP 10PF	0.50PF 50V
C8032	1-114-320-11	CERAMIC CHIP 0.22UF	10% 6.3V
C8201	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C8203	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C8204	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C8205	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C8206	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8207	1-100-765-21	ELECT CHIP 10UF	20% 16V
C8208	1-100-765-21	ELECT CHIP 10UF	20% 16V
C8209	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8216	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C8220	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8222	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8224	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8226	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C8227	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C8228	1-100-912-11	CERAMIC CHIP 1UF	10% 25V
C8229	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8230	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C8231	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8232	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8235	1-112-064-11	CERAMIC CHIP 2.2UF	10% 10V
C8237	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8238	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C8239	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C8240	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8241	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C8242	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C8243	1-100-765-21	ELECT CHIP 10UF	20% 16V
C8244	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C8245	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C8246	1-100-765-21	ELECT CHIP 10UF	20% 16V
C8247	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C8248	1-164-874-11	CERAMIC CHIP 100PF	5.00% 50V
C8249	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C8250	1-114-813-11	CERAMIC CHIP 1UF	10% 16V
C8251	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8252	1-100-766-21	ELECT CHIP 47UF	20% 16V
C8253	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C8254	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C8256	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C8258	1-100-916-11	CERAMIC CHIP 0.1UF	10% 16V
C8260	1-100-905-11	CERAMIC CHIP 0.001UF	10% 50V
C8261	1-114-326-11	CERAMIC CHIP 0.22UF	10% 25V

< CONNECTOR >

CN1000	1-821-054-11	21PIN SOCKET
CN1001	1-821-054-11	21PIN SOCKET
CN3001	1-821-013-11	D SUB CONNECTOR
CN3002	1-821-879-11	CONNECTOR, SQUARE TYPE (RECE)
CN3004	1-821-844-11	OPTICAL OUT CONNECTOR
CN3400	1-819-460-11	HEADER ASSEMBLY FOR PWB 4P
CN4500	1-821-916-12	HDMI CONNECTOR
CN4502	1-821-645-11	CONNECTOR, HDMI
CN4503	1-821-916-12	HDMI CONNECTOR

REF.NO.	PART.NO	DESCRIPTION	REMARK
CN5503	1-779-936-51	CONNECTOR, FFC/FPC 18P	
CN5505	1-820-235-11	HEADER ASSEMBLY 30P	
CN6401	1-819-797-11	HEADER ASSEMBLY FOR PWB 13P	
CN7100	1-817-109-11	CONNECTOR, USB (A)	
CN7501	1-822-033-11	MEMORY STICK CONNECTOR	
CN7600	1-821-868-11	ETHERNET CONNECTOR (8P)	
CN7700	1-793-769-22	CONNECTOR, CARD (PCMCIA CARD)	
CN8000	1-819-784-21	PIN, CONNECTOR 50P	
		< DIODE >	
D1000	8-719-058-24	DIODE RB501V-40TE-17	
D1001	6-502-177-01	DI UMZ9.1KTL	
D1002	6-502-177-01	DI UMZ9.1KTL	
D1003	6-502-177-01	DI UMZ9.1KTL	
D1004	6-501-623-01	DIODE PZU13B2	
D1005	6-502-180-01	DI UMZ12KTL	
D1006	6-502-177-01	DI UMZ9.1KTL	
D1007	6-502-177-01	DI UMZ9.1KTL	
D1008	6-502-177-01	DI UMZ9.1KTL	
D1009	6-502-177-01	DI UMZ9.1KTL	
D1010	6-501-623-01	DIODE PZU13B2	
D1012	6-501-619-01	DIODE PZU9.1B2	
D1013	6-502-180-01	DI UMZ12KTL	
D1014	6-502-180-01	DI UMZ12KTL	
D1210	6-501-817-01	DIODE MA2J1110GLS0	
D3000	6-502-180-01	DI UMZ12KTL	
D3002	6-502-180-01	DI UMZ12KTL	
D3011	6-501-614-01	DIODE PZU5.6B2	
D3014	6-502-318-01	DI MA4J1130GLS0	
D3027	6-502-180-01	DI UMZ12KTL	
D3029	6-502-180-01	DI UMZ12KTL	
D3031	6-501-619-01	DIODE PZU9.1B2	
D3049	6-502-180-01	DI UMZ12KTL	
D3050	6-502-180-01	DI UMZ12KTL	
D3055	6-501-620-01	DIODE PZU10B2	
D3056	6-502-180-01	DI UMZ12KTL	
D3057	6-502-177-01	DI UMZ9.1KTL	
D3058	6-502-180-01	DI UMZ12KTL	
D3059	6-502-180-01	DI UMZ12KTL	
D3400	6-501-732-01	DIODE MAZ8056G0LS0	
D3401	6-501-732-01	DIODE MAZ8056G0LS0	
D3403	6-502-318-01	DI MA4J1130GLS0	
D3404	6-501-817-01	DIODE MA2J1110GLS0	
D3405	6-501-817-01	DIODE MA2J1110GLS0	
D3406	6-501-619-01	DIODE PZU9.1B2	
D3407	6-502-172-01	DI UMZ5.6KTL	
D4502	6-500-335-01	DIODE MC2838-T112-1	
D4505	6-500-335-01	DIODE MC2838-T112-1	
D4506	6-500-335-01	DIODE MC2838-T112-1	
D5501	6-501-817-01	DIODE MA2J1110GLS0	
D5503	6-501-818-01	DIODE MA2J1130GLS0	
D5504	8-719-060-48	DIODE RB751V-40TE-17	
D5505	6-501-817-01	DIODE MA2J1110GLS0	
D5506	6-501-817-01	DIODE MA2J1110GLS0	
D5507	6-502-318-01	DI MA4J1130GLS0	
D5508	6-502-318-01	DI MA4J1130GLS0	
D5510	6-502-172-01	DI UMZ5.6KTL	
D5520	6-501-614-01	DIODE PZU5.6B2	
D5521	6-502-318-01	DI MA4J1130GLS0	
D5522	6-502-318-01	DI MA4J1130GLS0	
D5523	8-719-058-24	DIODE RB501V-40TE-17	
D5524	8-719-058-24	DIODE RB501V-40TE-17	
D5525	8-719-058-24	DIODE RB501V-40TE-17	
D5526	8-719-058-24	DIODE RB501V-40TE-17	
D6401	6-501-614-01	DIODE PZU5.6B2	
D6404	6-502-318-01	DI MA4J1130GLS0	
D6406	6-501-528-01	DIODE 1SMA5915BT3G	
D6407	6-501-528-01	DIODE 1SMA5915BT3G	
D6408	6-501-817-01	DIODE MA2J1110GLS0	
D6409	6-500-295-01	DIODE PTZ-TE25-5.6B	
D6412	6-501-528-01	DIODE 1SMA5915BT3G	
D6414	6-501-614-01	DIODE PZU5.6B2	
D6418	6-502-318-01	DI MA4J1130GLS0	
D6431	6-501-528-01	DIODE 1SMA5915BT3G	
D6432	6-502-318-01	DI MA4J1130GLS0	
D6433	6-502-318-01	DI MA4J1130GLS0	
D7100	6-502-318-01	DI MA4J1130GLS0	
D7101	6-500-701-01	DIODE PGB1010603NR	
D7102	6-500-701-01	DIODE PGB1010603NR	
D7604	8-719-053-07	DIODE SML-310MTT86	
D7605	8-719-053-07	DIODE SML-310MTT86	
D8202	6-502-318-01	DI MA4J1130GLS0	
D8210	6-502-177-01	DI UMZ9.1KTL	
D8212	6-502-177-01	DI UMZ9.1KTL	
D8213	6-502-177-01	DI UMZ9.1KTL	
ET2201	1-780-482-11	EARTH TERMINAL	
ET2211	1-780-434-11	TERMINAL, GROUND (ON BOARD CON	
ET2212	1-780-434-11	TERMINAL, GROUND (ON BOARD CON	
ET5001	1-780-638-21	CONTACT TERMINAL	
ET5002	1-780-638-21	CONTACT TERMINAL	
ET5003	1-780-638-21	CONTACT TERMINAL	
ET5004	1-780-638-21	CONTACT TERMINAL	
ET5006	1-780-638-21	CONTACT TERMINAL	
ET6400	1-780-482-11	EARTH TERMINAL	
ET6401	1-780-482-11	EARTH TERMINAL	
ET6402	1-780-482-11	EARTH TERMINAL	
ET6403	1-780-482-11	EARTH TERMINAL	
ET6404	1-780-482-11	EARTH TERMINAL	
ET6405	1-780-482-11	EARTH TERMINAL	

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

BGE

REF.NO.		PART.NO	DESCRIPTION	REMARK	
ET6406		1-780-482-11	EARTH TERMINAL		
			< FUSE >		
F3000	⚠	1-576-646-11	FUSE	0.5A	50V
F3200	⚠	1-576-913-11	FUSE	1.6A	36V
F3401	⚠	1-576-933-21	FUSE	5A	24V
			< FERRITE BEAD >		
FB2200		1-469-869-21	FERRITE	0UH	
FB2201		1-400-834-11	FERRITE	0UH	
FB2202		1-400-834-11	FERRITE	0UH	
FB2203		1-400-834-11	FERRITE	0UH	
FB2204		1-400-834-11	FERRITE	0UH	
FB2205		1-400-834-11	FERRITE	0UH	
FB2206		1-400-834-11	FERRITE	0UH	
FB2207		1-400-834-11	FERRITE	0UH	
FB2208		1-400-834-11	FERRITE	0UH	
FB2209		1-400-834-11	FERRITE	0UH	
FB2210		1-400-834-11	FERRITE	0UH	
FB2211		1-400-834-11	FERRITE	0UH	
FB2214		1-400-591-22	FERRITE	0UH	
FB2215		1-400-834-11	FERRITE	0UH	
FB2216		1-400-462-21	FERRITE	0UH	
FB2218		1-400-462-21	FERRITE	0UH	
FB2219		1-400-834-11	FERRITE	0UH	
FB2220		1-400-834-11	FERRITE	0UH	
FB2221		1-400-834-11	FERRITE	0UH	
FB3004		1-400-141-22	FERRITE	0UH	
FB3006		1-400-834-11	FERRITE	0UH	
FB3007		1-400-244-11	FERRITE	0UH	
FB3080		1-469-869-21	FERRITE	0UH	
FB3406		1-400-089-21	FERRITE	0UH	
FB3407		1-400-089-21	FERRITE	0UH	
FB3408		1-400-089-21	FERRITE	0UH	
FB3409		1-400-089-21	FERRITE	0UH	
FB4000		1-400-244-11	FERRITE	0UH	
FB4001		1-400-244-11	FERRITE	0UH	
FB4500		1-400-693-21	FERRITE	0UH	
FB4502		1-400-693-21	FERRITE	0UH	
FB4503		1-400-693-21	FERRITE	0UH	
FB4504		1-400-141-22	FERRITE	0UH	
FB5500		1-400-834-11	FERRITE	0UH	
FB5501		1-400-834-11	FERRITE	0UH	
FB5502		1-400-834-11	FERRITE	0UH	
FB5503		1-400-834-11	FERRITE	0UH	
FB5504		1-400-834-11	FERRITE	0UH	
FB5505		1-400-834-11	FERRITE	0UH	
FB5507		1-400-834-11	FERRITE	0UH	
FB5510		1-400-834-11	FERRITE	0UH	
FB5511		1-400-834-11	FERRITE	0UH	
FB5513		1-400-834-11	FERRITE	0UH	
FB6400		1-400-915-21	FERRITE	0UH	
FB6401		1-400-089-21	FERRITE	0UH	
FB6402		1-400-834-11	FERRITE	0UH	
FB6403		1-400-089-21	FERRITE	0UH	
FB6404		1-400-834-11	FERRITE	0UH	
FB6405		1-400-834-11	FERRITE	0UH	
FB6406		1-400-089-21	FERRITE	0UH	
FB6407		1-400-834-11	FERRITE	0UH	
FB6409		1-400-089-21	FERRITE	0UH	
FB6410		1-400-915-21	FERRITE	0UH	
FB6411		1-400-915-21	FERRITE	0UH	
FB6413		1-400-089-21	FERRITE	0UH	
FB6414		1-400-915-21	FERRITE	0UH	
FB6415		1-400-915-21	FERRITE	0UH	
FB6417		1-400-089-21	FERRITE	0UH	
FB6418		1-400-915-21	FERRITE	0UH	
FB6419		1-400-915-21	FERRITE	0UH	
FB6420		1-400-915-21	FERRITE	0UH	
FB6421		1-400-915-21	FERRITE	0UH	
FB6423		1-400-915-21	FERRITE	0UH	
FB6424		1-400-915-21	FERRITE	0UH	
FB6425		1-400-915-21	FERRITE	0UH	
FB6426		1-400-915-21	FERRITE	0UH	
FB6427		1-400-915-21	FERRITE	0UH	
FB6428		1-400-915-21	FERRITE	0UH	
FB7100		1-400-382-11	FERRITE	0UH	
FB7101		1-400-382-11	FERRITE	0UH	
FB7102		1-400-382-11	FERRITE	0UH	
FB7500		1-400-807-21	FERRITE	0UH	
FB7501		1-400-832-21	FERRITE	0UH	
FB7600		1-400-382-11	FERRITE	0UH	
FB7601		1-400-382-11	FERRITE	0UH	
FB7602		1-400-382-11	FERRITE	0UH	
FB7603		1-400-382-11	FERRITE	0UH	
FB7709		1-469-869-21	FERRITE	0UH	
FB8200		1-469-084-21	FERRITE	0MH	
			< FILTER >		
FL5000		1-234-939-21	FILTER, EMI REMOVAL (SMD)		
FL5001		1-234-494-21	FILTER, EMI REMOVAL (SMD)		
FL5002		1-234-494-21	FILTER, EMI REMOVAL (SMD)		
FL5003		1-234-939-21	FILTER, EMI REMOVAL (SMD)		
FL5004		1-234-494-21	FILTER, EMI REMOVAL (SMD)		
FL5007		1-234-494-21	FILTER, EMI REMOVAL (SMD)		
FL5008		1-234-939-21	FILTER, EMI REMOVAL (SMD)		
FL5009		1-234-494-21	FILTER, EMI REMOVAL (SMD)		
FL5010		1-234-939-21	FILTER, EMI REMOVAL (SMD)		
FL5011		1-234-939-21	FILTER, EMI REMOVAL (SMD)		

REF.NO.	PART.NO	DESCRIPTION	REMARK
FL5012	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5013	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5015	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5016	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5018	1-234-494-21	FILTER, EMI REMOVAL (SMD)	
FL5019	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5020	1-234-494-21	FILTER, EMI REMOVAL (SMD)	
FL5021	1-234-494-21	FILTER, EMI REMOVAL (SMD)	
FL5022	1-234-494-21	FILTER, EMI REMOVAL (SMD)	
FL5023	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5024	1-234-939-21	FILTER, EMI REMOVAL (SMD)	
FL5025	1-234-494-21	FILTER, EMI REMOVAL (SMD)	
FL5026	1-234-494-21	FILTER, EMI REMOVAL (SMD)	
FL6400	1-234-494-21	FILTER, EMI REMOVAL (SMD)	
FL6401	1-234-494-21	FILTER, EMI REMOVAL (SMD)	
FL6402	1-234-494-21	FILTER, EMI REMOVAL (SMD)	
FL6403	1-234-494-21	FILTER, EMI REMOVAL (SMD)	
		< IC >	
IC1000	6-701-173-01	IC MC74LVXT4053DTR2	
IC1210	6-707-864-01	IC TC74VHC123AFT(EKJ)	
IC1211	6-708-360-01	IC NJU7040F	
IC1212	6-710-374-01	IC 74LVC1G157GW-125	
IC2200	6-709-257-01	IC 74LVC4066PW	
IC2202	6-709-932-01	IC MM3141CNRE	
IC2203	6-709-607-01	IC LA5795T-TLM-E	
IC3000	6-704-600-01	IC M24C02-WMN6T(B)	
IC3001	6-712-789-01	IC 74AUP1T45GW	
IC3002	6-712-789-01	IC 74AUP1T45GW	
IC3004	8-759-242-64	IC TC4W53F	
IC3080	6-712-525-01	IC MIC2005-0.8YM6TR	
IC3201	6-712-974-01	IC CXD9926ATQ	
IC3400	6-710-904-01	IC TPA3100D2PHPR	
IC4001	6-711-262-01	IC HYB18TC256160BF-3S	
IC4002	6-711-262-01	IC HYB18TC256160BF-3S	
IC4500	6-704-600-01	IC M24C02-WMN6T(B)	
IC4504	6-704-600-01	IC M24C02-WMN6T(B)	
IC4505	6-704-600-01	IC M24C02-WMN6T(B)	
IC4508	8-753-282-08	IC CXB1444R-T6	
IC4509	6-711-332-01	IC TC7SG17FU (TE85R,F)	
IC5004	6-712-787-01	IC MM1701VHBE	
IC5500	6-704-573-01	IC M24C32-WMN6T(B)	
IC5501	6-710-443-01	IC LM75AD	
IC5502	6-712-337-01	IC PCA8563T/4	
IC5503	6-702-688-01	IC M24C64-WMN6T(B)	
IC5504	6-703-175-01	IC PST3629UL	
IC5505	6-804-648-01	IC MB90F334APMC-GE1	
IC5507	6-712-527-01	IC MM3154XURE	
IC6401	6-712-744-01	IC TK11190CSCL-G	
IC6402	6-710-922-01	IC BD9853AFV-E2	
IC6403	6-710-922-01	IC BD9853AFV-E2	
IC6405	6-711-145-01	IC TPS51124RGER	
IC6570	6-712-749-01	IC MM1701YHBE	
IC6571	6-710-949-01	IC SN0608006PWPR	
IC6572	6-712-787-01	IC MM1701VHBE	
IC6573	6-706-419-01	IC LM393DT (A)	
IC7000	6-713-132-01	IC UPD61300F1-230-LU2-A	
IC7100	6-703-175-01	IC PST3629UL	
IC7101	6-711-288-01	IC MIC2005-0.5YM6TR	
IC7200	6-712-189-01	IC EDE5116AJBG-6E-E	
IC7201	6-712-189-01	IC EDE5116AJBG-6E-E	
IC7300	6-711-242-01	IC K9F1208U0C-PCB0T	
IC7600	6-712-775-11	IC KSZ8041TLTR	
IC7701	6-707-850-01	IC TC74LCX245FT(EKJ)	
IC7704	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC7705	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC7706	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC7707	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC7708	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC7709	6-707-853-01	IC TC74LCX541FT(EKJ)	
IC7710	6-711-288-01	IC MIC2005-0.5YM6TR	
IC8200	8-753-299-00	IC CXA3767R-T6	
		< SOCKET >	
J1000	1-821-055-12	PHONO JACK 5P	
J3000	1-820-765-11	PHONO JACK 2P	
J3001	1-821-899-11	JACK (SMALL TYPE)	
J3002	1-821-899-11	JACK (SMALL TYPE)	
J3005	1-821-115-11	PHONO JACK (RIGHT ANGLE) 3P	
J8200	1-815-325-11	JACK	
		< COIL >	
L2200	1-412-058-11	INDUCTOR	10UH
L2201	1-469-549-21	INDUCTOR	1UH
L2202	1-412-058-11	INDUCTOR	10UH
L2203	1-412-058-11	INDUCTOR	10UH
L2204	1-412-058-11	INDUCTOR	10UH
L2206	1-412-058-11	INDUCTOR	10UH
L2207	1-412-058-11	INDUCTOR	10UH
L2208	1-412-058-11	INDUCTOR	10UH
L2209	1-469-549-21	INDUCTOR	1UH
L2210	1-469-549-21	INDUCTOR	1UH
L2211	1-469-549-21	INDUCTOR	1UH
L2212	1-469-555-21	INDUCTOR	10UH
L3200	1-400-179-21	FERRITE	0UH
L3201	1-400-179-21	FERRITE	0UH
L3202	1-469-555-21	INDUCTOR	10UH
L3401	1-457-429-11	INDUCTOR	22UH

Note : The components identified by shading and marked ⚠ are critical for safety. Replace only with the part numbers specified in the parts list.

BGE

REF.NO.	PART.NO	DESCRIPTION	REMARK
L3402	1-457-429-11	INDUCTOR	22UH
L3403	1-457-429-11	INDUCTOR	22UH
L3406	1-457-429-11	INDUCTOR	22UH
L5503	1-400-179-21	FERRITE	0UH
L5505	1-400-179-21	FERRITE	0UH
L5506	1-400-179-21	FERRITE	0UH
L6403	1-457-439-11	INDUCTOR	4.7UH
L6404	1-457-439-11	INDUCTOR	4.7UH
L6405	1-457-439-11	INDUCTOR	4.7UH
L6407	1-457-439-11	INDUCTOR	4.7UH
L6411	1-457-455-11	INDUCTOR	10UH
L6412	1-400-692-11	INDUCTOR	10UH
L6413	1-457-439-11	INDUCTOR	4.7UH
L6418	1-457-497-11	INDUCTOR	4.7UH
L6419	1-457-439-11	INDUCTOR	4.7UH
L7100	1-457-374-21	INDUCTOR	0UH
L7400	1-412-058-11	INDUCTOR	10UH
L8000	1-457-539-11	INDUCTOR	0UH
L8001	1-457-539-11	INDUCTOR	0UH
L8002	1-457-539-11	INDUCTOR	0UH
L8003	1-457-539-11	INDUCTOR	0UH
L8004	1-457-539-11	INDUCTOR	0UH
L8005	1-457-539-11	INDUCTOR	0UH
L8200	1-412-058-11	INDUCTOR	10UH
L8203	1-412-058-11	INDUCTOR	10UH
L8204	1-412-058-11	INDUCTOR	10UH
L8205	1-412-058-11	INDUCTOR	10UH
L8206	1-412-058-11	INDUCTOR	10UH
		< PROTECTOR MODULE >	
PS6400 ⚠	1-576-736-41	IC LINK	3.15A 24V
PS6401 ⚠	1-576-736-41	IC LINK	3.15A 24V
PS6402 ⚠	1-576-736-41	IC LINK	3.15A 24V
PS6403 ⚠	1-576-736-41	IC LINK	3.15A 24V
PS6404 ⚠	1-576-736-41	IC LINK	3.15A 24V
		< TRANSISTOR >	
Q1000	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q1001	8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q1002	6-551-775-01	TR 2SA2122G0LS0	
Q1003	6-551-776-01	TR 2SC5950G0LS0	
Q1006	6-551-943-01	TR RT3XBBM-T111-1	
Q1007	6-551-775-01	TR 2SA2122G0LS0	
Q1008	6-551-776-01	TR 2SC5950G0LS0	
Q1210	6-551-775-01	TR 2SA2122G0LS0	
Q2201	6-551-696-01	TRANSISTOR ISA1235AC1TP-1EF	
Q2202	6-551-904-01	TR RT3S03M-T111-1	
Q2203	6-551-904-01	TR RT3S03M-T111-1	
Q2204	6-551-904-01	TR RT3S03M-T111-1	
Q2205	6-551-817-01	TR UNR52A3G0LS0	
Q2207	6-550-871-01	TRANSISTOR 2SA2048TL QR	
Q2208	6-550-871-01	TRANSISTOR 2SA2048TL QR	
Q2209	6-551-825-01	TR UNR52A5G0LS0	
Q2212	8-729-620-13	TRANSISTOR 2SC4154TP-1EF	
Q3400	6-551-699-01	TRANSISTOR ISA1602AM1TP-1EF	
Q3401	6-551-817-01	TR UNR52A3G0LS0	
Q4500	6-551-904-01	TR RT3S03M-T111-1	
Q4501	6-551-701-01	TRANSISTOR INK0003AC1-T112A-1	
Q4502	6-551-701-01	TRANSISTOR INK0003AC1-T112A-1	
Q4503	6-551-701-01	TRANSISTOR INK0003AC1-T112A-1	
Q4700	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q4701	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q4702	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q4703	8-729-028-86	TRANSISTOR DTA143EUA-T106	
Q5500	6-551-699-01	TRANSISTOR ISA1602AM1TP-1EF	
Q5501	8-729-028-73	TRANSISTOR DTA114EUA-T106	
Q5503	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q5504	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q5506	8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q5508	8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q5510	8-729-029-14	TRANSISTOR DTC144EUA-T106	
Q5511	6-551-776-01	TR 2SC5950G0LS0	
Q5512	6-551-776-01	TR 2SC5950G0LS0	
Q6400	8-729-028-73	TRANSISTOR DTA114EUA-T106	
Q6401	6-551-986-01	TR RT3DL1M-T111A-1F	
Q6403	6-551-986-01	TR RT3DL1M-T111A-1F	
Q6404	6-551-986-01	TR RT3DL1M-T111A-1F	
Q6407	6-551-382-01	TRANSISTOR RSS040P03FD5TB	
Q6408	6-551-456-01	TRANSISTOR RTR020P02TL	
Q6409	6-551-123-01	TRANSISTOR RSS065N03FU7TB	
Q6410	6-550-718-01	TRANSISTOR RSR025N03TL	
Q6411	6-551-382-01	TRANSISTOR RSS040P03FD5TB	
Q6412	6-551-123-01	TRANSISTOR RSS065N03FU7TB	
Q6413	6-551-456-01	TRANSISTOR RTR020P02TL	
Q6414	8-729-620-13	TRANSISTOR 2SC4154TP-1EF	
Q6415	6-550-718-01	TRANSISTOR RSR025N03TL	
Q6416	8-729-028-28	TRANSISTOR 2SK2036(TE85L)	
Q6417	6-551-775-01	TR 2SA2122G0LS0	
Q6418	6-551-986-01	TR RT3DL1M-T111A-1F	
Q6419	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q6421	6-551-690-01	TRANSISTOR RT3N11M-TP-1	
Q6430	6-550-663-01	TRANSISTOR RSS100N03FD5TB	
Q6431	6-550-663-01	TRANSISTOR RSS100N03FD5TB	
Q6434	6-551-986-01	TR RT3DL1M-T111A-1F	
Q6436	6-551-986-01	TR RT3DL1M-T111A-1F	
Q6437	6-551-986-01	TR RT3DL1M-T111A-1F	
Q6440	6-550-663-01	TRANSISTOR RSS100N03FD5TB	
Q6441	6-550-663-01	TRANSISTOR RSS100N03FD5TB	
Q6443	6-551-986-01	TR RT3DL1M-T111A-1F	
Q6446	6-551-639-01	TRANSISTOR RTR040N03TL	

REF.NO.	PART.NO	DESCRIPTION	REMARK
Q6447	6-551-639-01	TRANSISTOR RTR040N03TL	
Q7100	6-551-690-01	TRANSISTOR RT3N11M-TP-1	
Q7101	6-551-690-01	TRANSISTOR RT3N11M-TP-1	
Q8000	8-729-028-96	TRANSISTOR DTC114EUA-T106	
Q8200	6-551-943-01	TR RT3XBBM-T111-1	
Q8210	6-551-943-01	TR RT3XBBM-T111-1	
Q8212	6-551-943-01	TR RT3XBBM-T111-1	
		< RESISTOR >	
R1000	1-218-957-11	METAL CHIP 2.2K 5%	1/16W
R1001	1-218-965-11	METAL CHIP 10K 5%	1/16W
R1002	1-218-965-11	METAL CHIP 10K 5%	1/16W
R1015	1-216-864-11	SHORT CHIP 0	
R1016	1-218-971-11	METAL CHIP 33K 5%	1/16W
R1017	1-218-971-11	METAL CHIP 33K 5%	1/16W
R1018	1-208-860-81	METAL CHIP 75 0.5%	1/16W
R1020	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R1021	1-218-941-81	METAL CHIP 100 5%	1/16W
R1022	1-216-813-11	METAL CHIP 220 5%	1/10W
R1023	1-216-853-11	METAL CHIP 470K 5%	1/10W
R1024	1-218-989-11	METAL CHIP 1M 5%	1/16W
R1025	1-218-989-11	METAL CHIP 1M 5%	1/16W
R1026	1-216-811-11	METAL CHIP 150 5%	1/10W
R1027	1-216-853-11	METAL CHIP 470K 5%	1/10W
R1028	1-218-949-11	METAL CHIP 470 5%	1/16W
R1029	1-216-811-11	METAL CHIP 150 5%	1/10W
R1030	1-218-971-11	METAL CHIP 33K 5%	1/16W
R1031	1-218-965-11	METAL CHIP 10K 5%	1/16W
R1032	1-216-864-11	SHORT CHIP 0	
R1033	1-208-860-81	METAL CHIP 75 0.5%	1/16W
R1036	1-218-972-11	METAL CHIP 39K 5%	1/16W
R1037	1-218-972-11	METAL CHIP 39K 5%	1/16W
R1038	1-211-990-11	METAL CHIP 75 0.5%	1/10W
R1039	1-218-941-81	METAL CHIP 100 5%	1/16W
R1040	1-218-941-81	METAL CHIP 100 5%	1/16W
R1041	1-218-941-81	METAL CHIP 100 5%	1/16W
R1042	1-218-941-81	METAL CHIP 100 5%	1/16W
R1043	1-216-853-11	METAL CHIP 470K 5%	1/10W
R1044	1-216-813-11	METAL CHIP 220 5%	1/10W
R1045	1-218-989-11	METAL CHIP 1M 5%	1/16W
R1046	1-218-989-11	METAL CHIP 1M 5%	1/16W
R1047	1-216-853-11	METAL CHIP 470K 5%	1/10W
R1048	1-218-989-11	METAL CHIP 1M 5%	1/16W
R1049	1-216-811-11	METAL CHIP 150 5%	1/10W
R1050	1-218-989-11	METAL CHIP 1M 5%	1/16W
R1052	1-218-941-81	METAL CHIP 100 5%	1/16W
R1054	1-218-949-11	METAL CHIP 470 5%	1/16W
R1055	1-216-811-11	METAL CHIP 150 5%	1/10W
R1056	1-218-972-11	METAL CHIP 39K 5%	1/16W
R1057	1-218-972-11	METAL CHIP 39K 5%	1/16W
R1058	1-218-971-11	METAL CHIP 33K 5%	1/16W
R1059	1-218-965-11	METAL CHIP 10K 5%	1/16W
R1060	1-218-963-11	METAL CHIP 6.8K 5%	1/16W
R1061	1-218-957-11	METAL CHIP 2.2K 5%	1/16W
R1062	1-218-963-11	METAL CHIP 6.8K 5%	1/16W
R1063	1-218-957-11	METAL CHIP 2.2K 5%	1/16W
R1064	1-208-860-81	METAL CHIP 75 0.5%	1/16W
R1066	1-208-860-81	METAL CHIP 75 0.5%	1/16W
R1068	1-208-860-81	METAL CHIP 75 0.5%	1/16W
R1070	1-208-860-81	METAL CHIP 75 0.5%	1/16W
R1073	1-208-860-81	METAL CHIP 75 0.5%	1/16W
R1074	1-208-860-81	METAL CHIP 75 0.5%	1/16W
R1076	1-208-860-81	METAL CHIP 75 0.5%	1/16W
R1078	1-208-860-81	METAL CHIP 75 0.5%	1/16W
R1081	1-208-860-81	METAL CHIP 75 0.5%	1/16W
R1083	1-208-860-81	METAL CHIP 75 0.5%	1/16W
R1085	1-208-860-81	METAL CHIP 75 0.5%	1/16W
R1220	1-218-990-81	SHORT CHIP 0	
R1221	1-218-937-11	METAL CHIP 47 5%	1/16W
R1222	1-218-973-11	METAL CHIP 47K 5%	1/16W
R1223	1-208-923-11	METAL CHIP 33K 0.5%	1/16W
R1224	1-218-937-11	METAL CHIP 47 5%	1/16W
R1225	1-208-927-11	METAL CHIP 47K 0.5%	1/16W
R1227	1-208-699-11	METAL CHIP 4.7K 0.5%	1/16W
R1228	1-208-911-11	METAL CHIP 10K 0.5%	1/16W
R1229	1-208-939-11	METAL CHIP 150K 0.5%	1/16W
R1230	1-218-990-81	SHORT CHIP 0	
R1231	1-208-927-11	METAL CHIP 47K 0.5%	1/16W
R1232	1-208-911-11	METAL CHIP 10K 0.5%	1/16W
R1233	1-208-911-11	METAL CHIP 10K 0.5%	1/16W
R1234	1-208-911-11	METAL CHIP 10K 0.5%	1/16W
R1238	1-208-911-11	METAL CHIP 10K 0.5%	1/16W
R1239	1-208-927-11	METAL CHIP 47K 0.5%	1/16W
R1240	1-208-935-11	METAL CHIP 100K 0.5%	1/16W
R1241	1-218-965-11	METAL CHIP 10K 5%	1/16W
R1242	1-218-937-11	METAL CHIP 47 5%	1/16W
R2204	1-218-949-11	METAL CHIP 470 5%	1/16W
R2207	1-218-969-11	METAL CHIP 22K 5%	1/16W
R2208	1-218-981-91	METAL CHIP 220K 5%	1/16W
R2213	1-218-965-11	METAL CHIP 10K 5%	1/16W
R2216	1-218-971-11	METAL CHIP 33K 5%	1/16W
R2218	1-218-971-11	METAL CHIP 33K 5%	1/16W
R2219	1-218-965-11	METAL CHIP 10K 5%	1/16W
R2222	1-218-969-11	METAL CHIP 22K 5%	1/16W
R2225	1-218-965-11	METAL CHIP 10K 5%	1/16W
R2227	1-218-949-11	METAL CHIP 470 5%	1/16W
R2229	1-218-949-11	METAL CHIP 470 5%	1/16W
R2233	1-218-969-11	METAL CHIP 22K 5%	1/16W
R2234	1-218-965-11	METAL CHIP 10K 5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R2242	1-218-937-11	METAL CHIP	47	5%	1/16W
R2250	1-218-990-81	SHORT CHIP	0		
R2251	1-218-941-81	METAL CHIP	100	5%	1/16W
R2253	1-216-864-11	SHORT CHIP	0		
R2255	1-218-990-81	SHORT CHIP	0		
R2257	1-218-990-81	SHORT CHIP	0		
R2258	1-218-990-81	SHORT CHIP	0		
R2259	1-218-965-11	METAL CHIP	10K	5%	1/16W
R2266	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3002	1-216-864-11	SHORT CHIP	0		
R3010	1-218-990-81	SHORT CHIP	0		
R3011	1-218-990-81	SHORT CHIP	0		
R3012	1-218-990-81	SHORT CHIP	0		
R3019	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3029	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3035	1-218-977-11	METAL CHIP	100K	5%	1/16W
R3036	1-216-864-11	SHORT CHIP	0		
R3040	1-218-989-11	METAL CHIP	1M	5%	1/16W
R3041	1-218-989-11	METAL CHIP	1M	5%	1/16W
R3042	1-218-989-11	METAL CHIP	1M	5%	1/16W
R3043	1-218-989-11	METAL CHIP	1M	5%	1/16W
R3044	1-218-990-81	SHORT CHIP	0		
R3045	1-211-990-11	METAL CHIP	75	0.5%	1/10W
R3048	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3053	1-218-941-81	METAL CHIP	100	5%	1/16W
R3078	1-218-967-11	METAL CHIP	15K	5%	1/16W
R3079	1-218-967-11	METAL CHIP	15K	5%	1/16W
R3080	1-218-967-11	METAL CHIP	15K	5%	1/16W
R3081	1-218-967-11	METAL CHIP	15K	5%	1/16W
R3100	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R3101	1-218-941-81	METAL CHIP	100	5%	1/16W
R3107	1-218-941-81	METAL CHIP	100	5%	1/16W
R3108	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3109	1-216-853-11	METAL CHIP	470K	5%	1/10W
R3110	1-218-989-11	METAL CHIP	1M	5%	1/16W
R3111	1-218-989-11	METAL CHIP	1M	5%	1/16W
R3112	1-218-941-81	METAL CHIP	100	5%	1/16W
R3113	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R3117	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R3119	1-208-860-81	METAL CHIP	75	0.5%	1/16W
R3203	1-218-990-81	SHORT CHIP	0		
R3204	1-218-990-81	SHORT CHIP	0		
R3205	1-218-990-81	SHORT CHIP	0		
R3206	1-218-990-81	SHORT CHIP	0		
R3209	1-218-965-11	METAL CHIP	10K	5%	1/16W
R3210	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3214	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R3215	1-208-715-11	METAL CHIP	22K	0.5%	1/16W
R3216	1-218-945-11	METAL CHIP	220	5%	1/16W
R3217	1-218-945-11	METAL CHIP	220	5%	1/16W
R3218	1-218-989-11	METAL CHIP	1M	5%	1/16W
R3219	1-218-990-81	SHORT CHIP	0		
R3220	1-218-990-81	SHORT CHIP	0		
R3407	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R3408	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R3415	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3416	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R3427	1-218-990-81	SHORT CHIP	0		
R3431	1-218-990-81	SHORT CHIP	0		
R3432	1-218-977-11	METAL CHIP	100K	5%	1/16W
R3434	1-218-977-11	METAL CHIP	100K	5%	1/16W
R3453	1-218-981-91	METAL CHIP	220K	5%	1/16W
R3455	1-218-953-11	METAL CHIP	1K	5%	1/16W
R3456	1-218-969-11	METAL CHIP	22K	5%	1/16W
R3457	1-218-949-11	METAL CHIP	470	5%	1/16W
R3458	1-218-973-11	METAL CHIP	47K	5%	1/16W
R3459	1-218-941-81	METAL CHIP	100	5%	1/16W
R3460	1-218-965-11	METAL CHIP	10K	5%	1/16W
R4000	1-218-943-11	METAL CHIP	150	5%	1/16W
R4003	1-218-943-11	METAL CHIP	150	5%	1/16W
R4010	1-218-933-11	METAL CHIP	22	5%	1/16W
R4011	1-218-933-11	METAL CHIP	22	5%	1/16W
R4012	1-218-933-11	METAL CHIP	22	5%	1/16W
R4013	1-218-933-11	METAL CHIP	22	5%	1/16W
R4014	1-218-935-11	METAL CHIP	33	5%	1/16W
R4015	1-218-935-11	METAL CHIP	33	5%	1/16W
R4016	1-218-935-11	METAL CHIP	33	5%	1/16W
R4017	1-218-935-11	METAL CHIP	33	5%	1/16W
R4018	1-218-935-11	METAL CHIP	33	5%	1/16W
R4019	1-218-935-11	METAL CHIP	33	5%	1/16W
R4020	1-218-933-11	METAL CHIP	22	5%	1/16W
R4021	1-218-933-11	METAL CHIP	22	5%	1/16W
R4022	1-218-933-11	METAL CHIP	22	5%	1/16W
R4023	1-218-933-11	METAL CHIP	22	5%	1/16W
R4028	1-218-933-11	METAL CHIP	22	5%	1/16W
R4029	1-218-933-11	METAL CHIP	22	5%	1/16W
R4032	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R4033	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R4034	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R4035	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R4500	1-218-953-11	METAL CHIP	1K	5%	1/16W
R4502	1-218-967-11	METAL CHIP	15K	5%	1/16W
R4512	1-218-953-11	METAL CHIP	1K	5%	1/16W
R4513	1-218-953-11	METAL CHIP	1K	5%	1/16W
R4514	1-218-967-11	METAL CHIP	15K	5%	1/16W
R4515	1-218-967-11	METAL CHIP	15K	5%	1/16W
R4517	1-218-965-11	METAL CHIP	10K	5%	1/16W
R4519	1-218-965-11	METAL CHIP	10K	5%	1/16W
R4525	1-218-965-11	METAL CHIP	10K	5%	1/16W
R4528	1-218-977-11	METAL CHIP	100K	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R4529	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R4533	1-218-941-81	METAL CHIP	100	5%	1/16W
R4534	1-218-941-81	METAL CHIP	100	5%	1/16W
R4535	1-218-965-11	METAL CHIP	10K	5%	1/16W
R4537	1-218-965-11	METAL CHIP	10K	5%	1/16W
R4538	1-218-981-91	METAL CHIP	220K	5%	1/16W
R4540	1-218-981-91	METAL CHIP	220K	5%	1/16W
R4541	1-218-981-91	METAL CHIP	220K	5%	1/16W
R4542	1-218-941-81	METAL CHIP	100	5%	1/16W
R4708	1-218-965-11	METAL CHIP	10K	5%	1/16W
R4709	1-218-965-11	METAL CHIP	10K	5%	1/16W
R4725	1-218-990-81	SHORT CHIP	0		
R4728	1-218-990-81	SHORT CHIP	0		
R4755	1-218-990-81	SHORT CHIP	0		
R4756	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R4757	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R4761	1-218-990-81	SHORT CHIP	0		
R5016	1-216-864-11	SHORT CHIP	0		
R5020	1-216-864-11	SHORT CHIP	0		
R5021	1-216-864-11	SHORT CHIP	0		
R5022	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R5024	1-208-635-11	METAL CHIP	10	0.5%	1/16W
R5501	1-216-864-11	SHORT CHIP	0		
R5502	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R5503	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5505	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5507	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5508	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5509	1-218-941-81	METAL CHIP	100	5%	1/16W
R5512	1-218-941-81	METAL CHIP	100	5%	1/16W
R5513	1-218-977-11	METAL CHIP	100K	5%	1/16W
R5515	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5518	1-218-973-11	METAL CHIP	47K	5%	1/16W
R5519	1-218-977-11	METAL CHIP	100K	5%	1/16W
R5522	1-218-973-11	METAL CHIP	47K	5%	1/16W
R5527	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R5528	1-243-975-11	METAL CHIP	4.7M	5%	1/16W
R5530	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5531	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5533	1-218-945-11	METAL CHIP	220	5%	1/16W
R5541	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5542	1-218-970-11	METAL CHIP	27K	5%	1/16W
R5544	1-218-990-81	SHORT CHIP	0		
R5555	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5556	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5563	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R5568	1-218-941-81	METAL CHIP	100	5%	1/16W
R5569	1-218-945-11	METAL CHIP	220	5%	1/16W
R5570	1-218-941-81	METAL CHIP	100	5%	1/16W
R5571	1-218-941-81	METAL CHIP	100	5%	1/16W
R5572	1-218-933-11	METAL CHIP	22	5%	1/16W
R5574	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5576	1-218-941-81	METAL CHIP	100	5%	1/16W
R5578	1-218-941-81	METAL CHIP	100	5%	1/16W
R5590	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5592	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R5602	1-218-941-81	METAL CHIP	100	5%	1/16W
R5604	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5614	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R5616	1-218-941-81	METAL CHIP	100	5%	1/16W
R5617	1-218-963-11	METAL CHIP	6.8K	5%	1/16W
R5621	1-218-941-81	METAL CHIP	100	5%	1/16W
R5623	1-218-941-81	METAL CHIP	100	5%	1/16W
R5629	1-218-941-81	METAL CHIP	100	5%	1/16W
R5630	1-218-963-11	METAL CHIP	6.8K	5%	1/16W
R5643	1-218-941-81	METAL CHIP	100	5%	1/16W
R5644	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5646	1-218-941-81	METAL CHIP	100	5%	1/16W
R5647	1-218-933-11	METAL CHIP	22	5%	1/16W
R5648	1-218-933-11	METAL CHIP	22	5%	1/16W
R5649	1-218-941-81	METAL CHIP	100	5%	1/16W
R5650	1-218-933-11	METAL CHIP	22	5%	1/16W
R5651	1-218-941-81	METAL CHIP	100	5%	1/16W
R5652	1-218-933-11	METAL CHIP	22	5%	1/16W
R5655	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5656	1-218-949-11	METAL CHIP	470	5%	1/16W
R5669	1-218-941-81	METAL CHIP	100	5%	1/16W
R5670	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5671	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5674	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5675	1-218-953-11	METAL CHIP	1K	5%	1/16W
R5676	1-218-953-11	METAL CHIP	1K	5%	1/16W
R5677	1-218-941-81	METAL CHIP	100	5%	1/16W
R5678	1-218-941-81	METAL CHIP	100	5%	1/16W
R5684	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R5685	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R5686	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R5689	1-218-941-81	METAL CHIP	100	5%	1/16W
R5690	1-218-941-81	METAL CHIP	100	5%	1/16W
R5700	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R5702	1-218-965-11	METAL CHIP	10K	5%	1/16W
R5709	1-218-990-81	SHORT CHIP	0		
R5713	1-218-990-81	SHORT CHIP	0		
R5714	1-218-990-81	SHORT CHIP	0		
R5717	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R5719	1-218-941-81	METAL CHIP	100	5%	1/16W
R5722	1-218-990-81	SHORT CHIP	0		
R5723	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R5725	1-218-941-81	METAL CHIP	100	5%	1/16W
R5726	1-218-965-11	METAL CHIP	10K	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R5805	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6401	1-218-953-11	METAL CHIP	1K	5%	1/16W
R6402	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6403	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6405	1-218-953-11	METAL CHIP	1K	5%	1/16W
R6408	1-218-941-81	METAL CHIP	100	5%	1/16W
R6409	1-218-969-11	METAL CHIP	22K	5%	1/16W
R6416	1-218-949-11	METAL CHIP	470	5%	1/16W
R6417	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6418	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R6419	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R6420	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R6421	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R6423	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6424	1-218-943-11	METAL CHIP	150	5%	1/16W
R6426	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R6427	1-218-941-11	METAL CHIP	100	5%	1/16W
R6428	1-208-890-11	METAL CHIP	1.3K	0.5%	1/16W
R6430	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6432	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R6433	1-218-990-81	SHORT CHIP	0		
R6435	1-218-990-81	SHORT CHIP	0		
R6436	1-218-990-81	SHORT CHIP	0		
R6437	1-218-990-81	SHORT CHIP	0		
R6438	1-218-990-81	SHORT CHIP	0		
R6439	1-218-967-11	METAL CHIP	15K	5%	1/16W
R6441	1-218-990-81	SHORT CHIP	0		
R6443	1-208-909-11	METAL CHIP	8.2K	0.5%	1/16W
R6444	1-218-990-81	SHORT CHIP	0		
R6451	1-218-990-81	SHORT CHIP	0		
R6453	1-218-990-81	SHORT CHIP	0		
R6454	1-218-941-81	METAL CHIP	100	5%	1/16W
R6455	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6459	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R6461	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R6462	1-218-941-11	METAL CHIP	100	5%	1/16W
R6463	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R6466	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6467	1-208-671-11	METAL CHIP	330	0.5%	1/16W
R6468	1-208-883-81	METAL CHIP	680	0.5%	1/16W
R6469	1-218-957-11	METAL CHIP	2.2K	5%	1/16W
R6470	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6473	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6474	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R6475	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R6476	1-208-905-11	METAL CHIP	5.6K	0.5%	1/16W
R6477	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6479	1-218-939-11	METAL CHIP	68	5%	1/16W
R6489	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R6490	1-218-973-11	METAL CHIP	47K	5%	1/16W
R6491	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6495	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6496	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6497	1-218-941-81	METAL CHIP	100	5%	1/16W
R6499	1-218-983-11	METAL CHIP	330K	5%	1/16W
R6500	1-218-973-11	METAL CHIP	47K	5%	1/16W
R6524	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R6533	1-218-953-11	METAL CHIP	1K	5%	1/16W
R6534	1-218-990-81	SHORT CHIP	0		
R6535	1-218-990-81	SHORT CHIP	0		
R6538	1-208-931-11	METAL CHIP	68K	0.5%	1/16W
R6542	1-208-910-11	METAL CHIP	9.1K	0.5%	1/16W
R6545	1-218-974-11	METAL CHIP	56K	5%	1/16W
R6551	1-208-697-11	METAL CHIP	3.9K	0.5%	1/16W
R6553	1-216-791-11	METAL CHIP	3.3	5%	1/10W
R6554	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R6555	1-208-721-11	METAL CHIP	39K	0.5%	1/16W
R6556	1-218-937-11	METAL CHIP	47	5%	1/16W
R6557	1-218-937-11	METAL CHIP	47	5%	1/16W
R6558	1-218-990-81	SHORT CHIP	0		
R6561	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R6562	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6563	1-218-990-81	SHORT CHIP	0		
R6564	1-218-990-81	SHORT CHIP	0		
R6565	1-208-911-11	METAL CHIP	10K	0.5%	1/16W
R6568	1-218-941-11	METAL CHIP	100	5%	1/16W
R6583	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6585	1-218-982-11	METAL CHIP	270K	5%	1/16W
R6603	1-218-953-11	METAL CHIP	1K	5%	1/16W
R6609	1-218-967-11	METAL CHIP	15K	5%	1/16W
R6610	1-218-953-11	METAL CHIP	1K	5%	1/16W
R6611	1-218-965-11	METAL CHIP	10K	5%	1/16W
R6614	1-218-990-81	SHORT CHIP	0		
R6615	1-216-864-11	SHORT CHIP	0		
R6624	1-218-977-11	METAL CHIP	100K	5%	1/16W
R6625	1-218-941-81	METAL CHIP	100	5%	1/16W
R6626	1-216-797-11	METAL CHIP	10	5%	1/10W
R6629	1-216-797-11	METAL CHIP	10	5%	1/10W
R6630	1-216-797-11	METAL CHIP	10	5%	1/10W
R6631	1-208-931-11	METAL CHIP	68K	0.5%	1/16W
R6632	1-208-683-11	METAL CHIP	1K	0.5%	1/16W
R6633	1-208-699-11	METAL CHIP	4.7K	0.5%	1/16W
R6634	1-218-941-81	METAL CHIP	100	5%	1/16W
R6635	1-218-941-81	METAL CHIP	100	5%	1/16W
R6636	1-216-295-91	SHORT CHIP	0		
R7100	1-218-941-81	METAL CHIP	100	5%	1/16W
R7103	1-218-953-11	METAL CHIP	1K	5%	1/16W
R7104	1-218-941-81	METAL CHIP	100	5%	1/16W
R7107	1-218-949-11	METAL CHIP	470	5%	1/16W
R7108	1-218-937-11	METAL CHIP	47	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R7109	1-218-937-11	METAL CHIP	47	5%	1/16W
R7110	1-220-884-81	METAL CHIP	39	0.5%	1/16W
R7111	1-220-884-81	METAL CHIP	39	0.5%	1/16W
R7112	1-218-949-11	METAL CHIP	470	5%	1/16W
R7113	1-208-688-11	METAL CHIP	1.6K	0.5%	1/16W
R7114	1-218-967-11	METAL CHIP	15K	5%	1/16W
R7115	1-218-967-11	METAL CHIP	15K	5%	1/16W
R7122	1-218-990-81	SHORT CHIP	0		
R7123	1-218-937-11	METAL CHIP	47	5%	1/16W
R7202	1-218-943-11	METAL CHIP	150	5%	1/16W
R7203	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R7204	1-208-663-11	METAL CHIP	150	0.5%	1/16W
R7205	1-218-933-11	METAL CHIP	22	5%	1/16W
R7206	1-218-933-11	METAL CHIP	22	5%	1/16W
R7207	1-218-933-11	METAL CHIP	22	5%	1/16W
R7208	1-218-933-11	METAL CHIP	22	5%	1/16W
R7209	1-218-933-11	METAL CHIP	22	5%	1/16W
R7211	1-218-943-11	METAL CHIP	150	5%	1/16W
R7215	1-218-943-11	METAL CHIP	150	5%	1/16W
R7219	1-218-929-11	METAL CHIP	10	5%	1/16W
R7220	1-218-929-11	METAL CHIP	10	5%	1/16W
R7300	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7302	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7305	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7306	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7308	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7310	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7312	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7313	1-218-949-11	METAL CHIP	470	5%	1/16W
R7315	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7317	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7319	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7321	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7324	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7325	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7328	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7329	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7330	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7331	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7333	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7334	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7337	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7338	1-218-949-11	METAL CHIP	470	5%	1/16W
R7339	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7341	1-218-949-11	METAL CHIP	470	5%	1/16W
R7408	1-220-180-11	METAL CHIP	620	5%	1/16W
R7409	1-220-174-11	METAL CHIP	200	5%	1/16W
R7410	1-220-174-11	METAL CHIP	200	5%	1/16W
R7411	1-220-174-11	METAL CHIP	200	5%	1/16W
R7412	1-208-866-11	METAL CHIP	130	0.5%	1/16W
R7414	1-218-990-81	SHORT CHIP	0		
R7503	1-218-937-11	METAL CHIP	47	5%	1/16W
R7507	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7509	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7510	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7513	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7516	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7518	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7520	1-218-941-81	METAL CHIP	100	5%	1/16W
R7521	1-218-937-11	METAL CHIP	47	5%	1/16W
R7522	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7523	1-218-937-11	METAL CHIP	47	5%	1/16W
R7524	1-218-937-11	METAL CHIP	47	5%	1/16W
R7525	1-218-937-11	METAL CHIP	47	5%	1/16W
R7530	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7531	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7532	1-218-941-81	METAL CHIP	100	5%	1/16W
R7600	1-218-941-11	METAL CHIP	100	5%	1/16W
R7601	1-218-941-11	METAL CHIP	100	5%	1/16W
R7602	1-218-941-11	METAL CHIP	100	5%	1/16W
R7603	1-218-941-11	METAL CHIP	100	5%	1/16W
R7605	1-208-703-11	METAL CHIP	6.8K	0.5%	1/16W
R7606	1-218-990-81	SHORT CHIP	0		
R7607	1-218-937-11	METAL CHIP	47	5%	1/16W
R7608	1-218-978-11	METAL CHIP	120K	5%	1/16W
R7609	1-218-947-11	METAL CHIP	330	5%	1/16W
R7610	1-218-933-11	METAL CHIP	22	5%	1/16W
R7611	1-218-947-11	METAL CHIP	330	5%	1/16W
R7612	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R7613	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R7615	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R7618	1-218-953-11	METAL CHIP	1K	5%	1/16W
R7619	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R7622	1-218-953-11	METAL CHIP	1K	5%	1/16W
R7624	1-218-953-11	METAL CHIP	1K	5%	1/16W
R7625	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R7628	1-218-953-11	METAL CHIP	1K	5%	1/16W
R7630	1-218-953-11	METAL CHIP	1K	5%	1/16W
R7631	1-218-961-11	METAL CHIP	4.7K	5%	1/16W
R7635	1-218-941-11	METAL CHIP	100	5%	1/16W
R7636	1-218-941-11	METAL CHIP	100	5%	1/16W
R7637	1-218-941-11	METAL CHIP	100	5%	1/16W
R7638	1-218-941-11	METAL CHIP	100	5%	1/16W
R7712	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7718	1-218-937-11	METAL CHIP	47	5%	1/16W
R7722	1-218-941-81	METAL CHIP	100	5%	1/16W
R7723	1-218-941-81	METAL CHIP	100	5%	1/16W
R7724	1-218-941-81	METAL CHIP	100	5%	1/16W
R7725	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7726	1-218-965-11	METAL CHIP	10K	5%	1/16W

REF.NO.	PART.NO	DESCRIPTION			REMARK
R7727	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7729	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7730	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7731	1-218-965-11	METAL CHIP	10K	5%	1/16W
R7733	1-218-953-11	METAL CHIP	1K	5%	1/16W
R7734	1-218-937-11	METAL CHIP	47	5%	1/16W
R7735	1-218-953-11	METAL CHIP	1K	5%	1/16W
R7736	1-218-965-11	METAL CHIP	10K	5%	1/16W
R8004	1-218-965-11	METAL CHIP	10K	5%	1/16W
R8007	1-218-990-81	SHORT CHIP	0		
R8008	1-218-941-81	METAL CHIP	100	5%	1/16W
R8009	1-218-935-11	METAL CHIP	33	5%	1/16W
R8010	1-218-935-11	METAL CHIP	33	5%	1/16W
R8011	1-218-935-11	METAL CHIP	33	5%	1/16W
R8012	1-218-935-11	METAL CHIP	33	5%	1/16W
R8013	1-218-935-11	METAL CHIP	33	5%	1/16W
R8014	1-218-935-11	METAL CHIP	33	5%	1/16W
R8015	1-218-935-11	METAL CHIP	33	5%	1/16W
R8016	1-218-935-11	METAL CHIP	33	5%	1/16W
R8017	1-218-935-11	METAL CHIP	33	5%	1/16W
R8018	1-218-935-11	METAL CHIP	33	5%	1/16W
R8019	1-218-935-11	METAL CHIP	33	5%	1/16W
R8020	1-218-935-11	METAL CHIP	33	5%	1/16W
R8021	1-218-935-11	METAL CHIP	33	5%	1/16W
R8022	1-218-935-11	METAL CHIP	33	5%	1/16W
R8023	1-218-935-11	METAL CHIP	33	5%	1/16W
R8024	1-218-935-11	METAL CHIP	33	5%	1/16W
R8025	1-218-935-11	METAL CHIP	33	5%	1/16W
R8026	1-218-935-11	METAL CHIP	33	5%	1/16W
R8027	1-218-935-11	METAL CHIP	33	5%	1/16W
R8028	1-218-935-11	METAL CHIP	33	5%	1/16W
R8029	1-218-935-11	METAL CHIP	33	5%	1/16W
R8030	1-218-935-11	METAL CHIP	33	5%	1/16W
R8031	1-218-935-11	METAL CHIP	33	5%	1/16W
R8032	1-218-935-11	METAL CHIP	33	5%	1/16W
R8033	1-218-935-11	METAL CHIP	33	5%	1/16W
R8034	1-218-935-11	METAL CHIP	33	5%	1/16W
R8035	1-218-935-11	METAL CHIP	33	5%	1/16W
R8036	1-218-935-11	METAL CHIP	33	5%	1/16W
R8037	1-218-935-11	METAL CHIP	33	5%	1/16W
R8038	1-218-935-11	METAL CHIP	33	5%	1/16W
R8039	1-218-941-81	METAL CHIP	100	5%	1/16W
R8042	1-218-941-81	METAL CHIP	100	5%	1/16W
R8043	1-218-941-81	METAL CHIP	100	5%	1/16W
R8049	1-218-937-11	METAL CHIP	47	5%	1/16W
R8050	1-218-941-81	METAL CHIP	100	5%	1/16W
R8051	1-218-941-81	METAL CHIP	100	5%	1/16W
R8052	1-218-941-81	METAL CHIP	100	5%	1/16W
R8078	1-218-965-11	METAL CHIP	10K	5%	1/16W
R8081	1-218-963-11	METAL CHIP	6.8K	5%	1/16W
R8082	1-218-963-11	METAL CHIP	6.8K	5%	1/16W
R8085	1-218-953-11	METAL CHIP	1K	5%	1/16W
R8089	1-218-990-81	SHORT CHIP	0		
R8094	1-218-965-11	METAL CHIP	10K	5%	1/16W
R8097	1-208-890-11	METAL CHIP	1.3K	0.5%	1/16W
R8099	1-208-890-11	METAL CHIP	1.3K	0.5%	1/16W
R8101	1-208-890-11	METAL CHIP	1.3K	0.5%	1/16W
R8103	1-208-890-11	METAL CHIP	1.3K	0.5%	1/16W
R8106	1-218-941-81	METAL CHIP	100	5%	1/16W
R8107	1-218-941-81	METAL CHIP	100	5%	1/16W
R8108	1-218-941-81	METAL CHIP	100	5%	1/16W
R8112	1-218-990-81	SHORT CHIP	0		
R8113	1-218-990-81	SHORT CHIP	0		
R8120	1-218-941-81	METAL CHIP	100	5%	1/16W
R8122	1-218-965-11	METAL CHIP	10K	5%	1/16W
R8207	1-208-695-11	METAL CHIP	3.3K	0.5%	1/16W
R8208	1-218-941-81	METAL CHIP	100	5%	1/16W
R8215	1-218-949-11	METAL CHIP	470	5%	1/16W
R8216	1-218-949-11	METAL CHIP	470	5%	1/16W
R8222	1-218-990-81	SHORT CHIP	0		
R8223	1-218-990-81	SHORT CHIP	0		
R8224	1-218-990-81	SHORT CHIP	0		
R8225	1-218-990-81	SHORT CHIP	0		
R8235	1-218-945-11	METAL CHIP	220	5%	1/16W
R8236	1-218-945-11	METAL CHIP	220	5%	1/16W
R8237	1-218-945-11	METAL CHIP	220	5%	1/16W
R8240	1-218-965-11	METAL CHIP	10K	5%	1/16W

< RESISTOR CHIP >

RB1000	1-234-382-21	RES, NETWORK 220K	(1005X4)
RB1001	1-234-382-21	RES, NETWORK 220K	(1005X4)
RB1002	1-239-678-81	RESISTOR, NETWORK 220	
RB1005	1-234-372-11	RES, NETWORK 100	(1005X4)
RB1007	1-239-674-81	RESISTOR, NETWORK 100	
RB1008	1-239-682-11	RESISTOR, NETWORK 470	
RB1010	1-239-678-81	RESISTOR, NETWORK 220	
RB1011	1-234-372-11	RES, NETWORK 100	(1005X4)
RB2200	1-239-670-81	RESISTOR, NETWORK 47	
RB2201	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB2202	1-239-674-81	RESISTOR, NETWORK 100	
RB2203	1-239-666-81	RESISTOR, NETWORK 22	
RB2205	1-239-694-81	RESISTOR, NETWORK 4.7K	
RB3005	1-239-698-11	RESISTOR, NETWORK 10K	
RB3006	1-239-674-81	RESISTOR, NETWORK 100	
RB3010	1-239-704-81	RESISTOR, NETWORK 33K	
RB3011	1-239-705-81	RESISTOR, NETWORK 39K	
RB3021	1-239-674-81	RESISTOR, NETWORK 100	
RB3023	1-239-704-81	RESISTOR, NETWORK 33K	
RB3024	1-239-678-81	RESISTOR, NETWORK 220	

REF.NO.	PART.NO	DESCRIPTION	REMARK
RB3025	1-239-698-11	RESISTOR, NETWORK 10K	
RB3028	1-239-698-11	RESISTOR, NETWORK 10K	
RB3080	1-239-698-11	RESISTOR, NETWORK 10K	
RB3200	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB3201	1-234-377-21	RES, NETWORK 4.7K	(1005X4)
RB3202	1-234-371-21	RES, NETWORK 47	(1005X4)
RB3203	1-234-371-21	RES, NETWORK 47	(1005X4)
RB3204	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB3205	1-234-371-21	RES, NETWORK 47	(1005X4)
RB3400	1-234-381-11	RES, NETWORK 100K	(1005X4)
RB3401	1-234-382-21	RES, NETWORK 220K	(1005X4)
RB3402	1-239-674-81	RESISTOR, NETWORK 100	
RB4012	1-234-892-21	RES, CHIP NETWORK 33X8	(3816)
RB4013	1-234-892-21	RES, CHIP NETWORK 33X8	(3816)
RB4014	1-242-963-21	RES, NETWORK 33	(1005X4)
RB4015	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)
RB4016	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)
RB4017	1-234-370-21	RES, NETWORK 22	(1005X4)
RB4018	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)
RB4019	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)
RB4020	1-234-370-21	RES, NETWORK 22	(1005X4)
RB4501	1-239-674-81	RESISTOR, NETWORK 100	
RB4502	1-239-700-81	RESISTOR, NETWORK 15K	
RB4512	1-239-674-81	RESISTOR, NETWORK 100	
RB4513	1-239-674-81	RESISTOR, NETWORK 100	
RB4514	1-239-700-81	RESISTOR, NETWORK 15K	
RB4515	1-239-700-81	RESISTOR, NETWORK 15K	
RB4528	1-239-670-81	RESISTOR, NETWORK 47	
RB4529	1-239-686-11	RESISTOR, NETWORK 1K	
RB4702	1-239-674-81	RESISTOR, NETWORK 100	
RB4703	1-239-674-81	RESISTOR, NETWORK 100	
RB4704	1-239-698-11	RESISTOR, NETWORK 10K	
RB4705	1-239-698-11	RESISTOR, NETWORK 10K	
RB4706	1-239-674-81	RESISTOR, NETWORK 100	
RB4707	1-234-723-21	RES, NETWORK 75	(1005X4)
RB4708	1-239-698-11	RESISTOR, NETWORK 10K	
RB4709	1-234-106-81	RES, NETWORK 0	
RB4711	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB4712	1-234-371-21	RES, NETWORK 47	(1005X4)
RB5000	1-239-674-81	RESISTOR, NETWORK 100	
RB5001	1-239-674-81	RESISTOR, NETWORK 100	
RB5002	1-239-674-81	RESISTOR, NETWORK 100	
RB5003	1-239-674-81	RESISTOR, NETWORK 100	
RB5500	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5501	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5502	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5503	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5504	1-234-377-21	RES, NETWORK 4.7K	(1005X4)
RB5506	1-239-690-81	RESISTOR, NETWORK 2.2K	
RB5507	1-239-690-81	RESISTOR, NETWORK 2.2K	
RB5509	1-239-674-81	RESISTOR, NETWORK 100	
RB5511	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5512	1-234-376-11	RES, NETWORK 2.2K	(1005X4)
RB5513	1-239-690-81	RESISTOR, NETWORK 2.2K	
RB5514	1-239-690-81	RESISTOR, NETWORK 2.2K	
RB5515	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB5516	1-239-674-81	RESISTOR, NETWORK 100	
RB5517	1-239-698-11	RESISTOR, NETWORK 10K	
RB5518	1-239-674-81	RESISTOR, NETWORK 100	
RB5520	1-239-674-81	RESISTOR, NETWORK 100	
RB5521	1-239-690-81	RESISTOR, NETWORK 2.2K	
RB5522	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5525	1-239-674-81	RESISTOR, NETWORK 100	
RB5526	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5527	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5528	1-234-372-11	RES, NETWORK 100	(1005X4)
RB5529	1-239-674-81	RESISTOR, NETWORK 100	
RB6403	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB6404	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB6405	1-239-698-11	RESISTOR, NETWORK 10K	
RB6406	1-239-698-11	RESISTOR, NETWORK 10K	
RB7100	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB7103	1-239-698-11	RESISTOR, NETWORK 10K	
RB7104	1-239-670-81	RESISTOR, NETWORK 47	
RB7105	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7200	1-234-370-21	RES, NETWORK 22	(1005X4)
RB7201	1-234-702-11	RES, NETWORK 68	(1005X4)
RB7202	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)
RB7203	1-234-711-21	RES, CHIP NETWORK 22X8	(3816)
RB7300	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7301	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7302	1-239-670-81	RESISTOR, NETWORK 47	
RB7303	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7304	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7305	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7306	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7400	1-239-694-81	RESISTOR, NETWORK 4.7K	
RB7402	1-234-372-11	RES, NETWORK 100	(1005X4)
RB7404	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7500	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7501	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7503	1-239-670-81	RESISTOR, NETWORK 47	
RB7504	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7505	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7506	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7508	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7509	1-239-670-81	RESISTOR, NETWORK 47	
RB7510	1-234-372-11	RES, NETWORK 100	(1005X4)
RB7511	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7513	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)

REF.NO.	PART.NO	DESCRIPTION	REMARK
RB7517	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7518	1-234-799-21	RES, CHIP NETWORK 10KX8	(3816)
RB7519	1-234-372-11	RES, NETWORK 100	(1005X4)
RB7520	1-239-670-81	RESISTOR, NETWORK 47	
RB7521	1-239-670-81	RESISTOR, NETWORK 47	
RB7522	1-239-670-81	RESISTOR, NETWORK 47	
RB7523	1-239-698-11	RESISTOR, NETWORK 10K	
RB7524	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB7600	1-234-372-11	RES, NETWORK 100	(1005X4)
RB7706	1-239-698-11	RESISTOR, NETWORK 10K	
RB7707	1-234-371-21	RES, NETWORK 47	(1005X4)
RB7709	1-239-698-11	RESISTOR, NETWORK 10K	
RB7712	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB7713	1-234-799-21	RES, CHIP NETWORK 10KX8	(3816)
RB7714	1-234-799-21	RES, CHIP NETWORK 10KX8	(3816)
RB7715	1-234-378-21	RES, NETWORK 10K	(1005X4)
RB7716	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB7717	1-234-710-21	RES, CHIP NETWORK 47X8	(3816)
RB8005	1-239-674-81	RESISTOR, NETWORK 100	
RB8006	1-239-674-81	RESISTOR, NETWORK 100	
RB8007	1-239-674-81	RESISTOR, NETWORK 100	
RB8008	1-239-674-81	RESISTOR, NETWORK 100	
RB8009	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8010	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8011	1-239-674-81	RESISTOR, NETWORK 100	
RB8012	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8014	1-239-674-81	RESISTOR, NETWORK 100	
RB8015	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8016	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8017	1-239-674-81	RESISTOR, NETWORK 100	
RB8018	1-239-690-81	RESISTOR, NETWORK 2.2K	
RB8201	1-239-674-81	RESISTOR, NETWORK 100	
RB8210	1-239-674-81	RESISTOR, NETWORK 100	
RB8213	1-239-674-81	RESISTOR, NETWORK 100	
RB8214	1-239-674-81	RESISTOR, NETWORK 100	
RB8215	1-239-674-81	RESISTOR, NETWORK 100	
RB8216	1-239-674-81	RESISTOR, NETWORK 100	
RB8217	1-239-674-81	RESISTOR, NETWORK 100	
RB8220	1-239-682-11	RESISTOR, NETWORK 470	
RB8222	1-239-698-11	RESISTOR, NETWORK 10K	
RB8223	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8224	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8225	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8226	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8227	1-234-372-11	RES, NETWORK 100	(1005X4)
RB8228	1-234-372-11	RES, NETWORK 100	(1005X4)
		< SWITCH >	
S8000	1-572-921-11	SWITCH, KEY BOARD	
		< TUNER >	
TU2200	8-597-641-00	TUNER UNIT, DIGITAL BTD-HF411T	
		< VARISTOR >	
VD1000	1-802-078-11	VARISTOR (SMD)	
VD1001	1-802-078-11	VARISTOR (SMD)	
VD1002	1-802-078-11	VARISTOR (SMD)	
VD1003	1-802-078-11	VARISTOR (SMD)	
VD1004	1-802-078-11	VARISTOR (SMD)	
VD1005	1-802-078-11	VARISTOR (SMD)	
VD1006	1-802-078-11	VARISTOR (SMD)	
VD1007	1-802-078-11	VARISTOR (SMD)	
VD1008	1-802-078-11	VARISTOR (SMD)	
VD1009	1-802-078-11	VARISTOR (SMD)	
VD1010	1-802-078-11	VARISTOR (SMD)	
VD1011	1-802-078-11	VARISTOR (SMD)	
VD1012	1-802-078-11	VARISTOR (SMD)	
VD3001	1-802-078-11	VARISTOR (SMD)	
VD3002	1-802-078-11	VARISTOR (SMD)	
VD3003	1-802-078-11	VARISTOR (SMD)	
VD3004	1-802-078-11	VARISTOR (SMD)	
VD3005	1-802-078-11	VARISTOR (SMD)	
VD3006	1-802-078-11	VARISTOR (SMD)	
VD3007	1-802-493-21	VARISTOR, NETWORK (1005X2)	
VD4500	1-802-078-11	VARISTOR (SMD)	
VD4501	1-802-078-11	VARISTOR (SMD)	
VD4502	1-802-481-11	ESD SUPPRESSOR (4 ARRAY)	
VD4503	1-802-481-11	ESD SUPPRESSOR (4 ARRAY)	
VD4504	1-802-481-11	ESD SUPPRESSOR (4 ARRAY)	
VD4505	1-802-481-11	ESD SUPPRESSOR (4 ARRAY)	
VD4506	1-802-078-11	VARISTOR (SMD)	
VD4507	1-802-078-11	VARISTOR (SMD)	
VD4509	1-802-481-11	ESD SUPPRESSOR (4 ARRAY)	
VD4510	1-802-481-11	ESD SUPPRESSOR (4 ARRAY)	
VD4511	1-802-078-11	VARISTOR (SMD)	
VD4512	1-802-078-11	VARISTOR (SMD)	
VD7100	1-804-988-21	VARISTOR, CHIP	(1608)
VD8201	1-802-078-11	VARISTOR (SMD)	
VD8202	1-802-078-11	VARISTOR (SMD)	
VD8203	1-802-078-11	VARISTOR (SMD)	
VDR001	1-802-078-11	VARISTOR (SMD)	
		< CRYSTAL >	
X3200	1-814-130-11	QUARTZ CRYSTAL UNIT	
X5500	1-813-784-21	VIBRATOR, CRYSTAL	
X5501	1-795-537-21	VIBRATOR, CRYSTAL	
X7100	1-814-145-11	QUARTS CRYSTAL UNIT	
X7101	1-813-990-11	QUARTS CRYSTAL 30MHZ	

REF.NO.	PART.NO	DESCRIPTION	REMARK

ACCESSORIES AND CONNECTORS

	*1-835-146-11	CONNECTOR ASSY, MDF61 (D4-BALANCER)	(52 inches)
	*1-835-147-11	CONNECTOR ASSY, MDF61 (INVERTER-BALANCER)	(40 inches)
	*1-835-148-11	CONNECTOR ASSY, MDF61 (INVERTER-BALANCER)	(46 inches)
	*1-835-149-11	CONNECTOR ASSY, MDF61 (D5-BALANCER)	(52 inches)
	*1-835-186-11	CONNECTOR ASSY (CN6600(D4)-CN6501(G5))	(52 inches)
	*1-835-187-11	CONNECTOR ASSY (CN6500(G5)-CN6900(D5))	(52 inches)
	*1-836-030-11	WIRE LEAD CONNECTOR (CON1-CN5000)	(40 inches)
	*1-836-031-11	WIRE LEAD CONNECTOR (CON1-CN5000)	(46 inches)
	*1-836-032-11	WIRE LEAD CONNECTOR (CON1-CN5000)	(52 inches)
	*1-910-047-74	CONNECTOR ASSY 7P (CN6701-CN104)	(40 inches)
	*1-910-047-78	CONNECTOR ASSY 9P (CN6706-CN11)	(52 inches)
	*1-910-047-82	CONNECTOR ASSY 9P (CN6701-CN125)	(46 inches)
	*1-910-050-28	MAIN HARNESS ASSY (CN5500-CN6154, CN101, CN301, CN401, LOGO, CN3400-SP)	(40 inches)
	*1-910-050-29	MAIN HARNESS ASSY (CN5500-CN6154, CN101, CN301, CN401, LOGO, CN3400-SP)	(46 inches)
	*1-910-050-30	MAIN HARNESS ASSY (CN5500-CN6154, CN101, CN301, CN401, LOGO, CN3400-SP)	(52 inches)
	*1-910-050-32	CONNECTOR ASSY 13P (CN6401-CN6154)	(52 inches)
	*1-910-050-34	XA CONNECTOR ASSY 4P (CON3-CN6151)	(40 inches)
	*1-910-050-37	XA CONNECTOR ASSY 4P (CON3-CN6151)	(46 inches)
	*1-910-050-38	XA CONNECTOR ASSY 4P (CON3-CN6151)	(52 inches)
	*1-910-051-08	CONNECTOR ASSY 13P (CN6401-CN6150)	(40 inches)
	*1-910-051-09	CONNECTOR ASSY 13P (CN6401-CN6150)	(46 inches)
	*1-910-051-16	SUB HARNESS ASSY (CN6702-CN6153, CN6703-CN6950)	(52 inches)
	*4-106-868-13	INSTRUCTION MANUAL (UK)	ENGLISH
	*4-106-868-23	INSTRUCTION MANUAL (AEP)	GERMAN/FRENCH/ITALIAN/DUTCH
	*4-106-868-33	INSTRUCTION MANUAL (AEP)	SPANISH/GREEK/PORTUGUESE
	*4-106-868-43	INSTRUCTION MANUAL (AEP)	DANISH/FINNISH/NORWEGIAN/SWEDISH
	*4-106-868-53	INSTRUCTION MANUAL (AEP)	ENGLISH/POLISH/RUSSIAN
	*4-106-868-63	INSTRUCTION MANUAL (AEP)	CZECH/HUNGARIAN/SLOVAK/TURKISH

REMOTE COMMANDER

	1-480-778-11	REMOTE COMMANDER (RM-ED011)	

REF.NO.	PART.NO	DESCRIPTION	REMARK

ACCESSORIES AND CONNECTORS

	*1-835-146-11	CONNECTOR ASSY, MDF61 (D4-BALANCER)	(52 inches)
	*1-835-147-11	CONNECTOR ASSY, MDF61 (INVERTER-BALANCER)	(40 inches)
	*1-835-148-11	CONNECTOR ASSY, MDF61 (INVERTER-BALANCER)	(46 inches)
	*1-835-149-11	CONNECTOR ASSY, MDF61 (D5-BALANCER)	(52 inches)
	*1-835-186-11	CONNECTOR ASSY (CN6600(D4)-CN6501(G5))	(52 inches)
	*1-835-187-11	CONNECTOR ASSY (CN6500(G5)-CN6900(D5))	(52 inches)
	*1-836-030-11	WIRE LEAD CONNECTOR (CON1-CN8000(BGE))	(40 inches)
	*1-836-031-11	WIRE LEAD CONNECTOR (CON1-CN8000(BGE))	(46 inches)
	*1-836-032-11	WIRE LEAD CONNECTOR (CON1-CN8000(BGE))	(52 inches)
	*1-910-047-74	CONNECTOR ASSY 7P (CN6701-CN104)	(40 inches)
	*1-910-047-78	CONNECTOR ASSY 9P (CN6706-CN11)	(52 inches)
	*1-910-047-82	CONNECTOR ASSY 9P (CN6701-CN125)	(46 inches)
	*1-910-050-28	MAIN HARNESS ASSY (CN5500-CN6154-CN101(SWITCH UNIT)-CN301(H3E)-CN401(H4)-LOGO-CN3400(BGE)-SP)	(40 inches)
	*1-910-050-29	MAIN HARNESS ASSY (CN5500-CN6154-CN101(SWITCH UNIT)-CN301(H3E)-CN401(H4)-LOGO-CN3400(BGE)-SP)	(46 inches)
	*1-910-050-30	MAIN HARNESS ASSY (CN5500-CN6154-CN101(SWITCH UNIT)-CN301(H3E)-CN401(H4)-LOGO-CN3400(BGE)-SP)	(52 inches)
	*1-910-050-32	CONNECTOR ASSY 13P (CN6401(BGE)-CN6150(G5))	(52 inches)
	*1-910-050-34	XA CONNECTOR ASSY 4P (CON3-CN6151)	(40 inches)
	*1-910-050-37	XA CONNECTOR ASSY 4P (CON3-CN6151)	(46 inches)
	*1-910-050-38	XA CONNECTOR ASSY 4P (CON3-CN6151)	(52 inches)
	*1-910-051-08	CONNECTOR ASSY 13P (CN6401(BGE)-CN6150)	(40 inches)
	*1-910-051-09	CONNECTOR ASSY 13P (CN6401(BGE)-CN6150)	(46 inches)
	*1-910-051-16	SUB HARNESS ASSY (CN6702(D4)-CN6153(G5), CN6703(D4)-CN6950(D5))	(52 inches)

REF.NO.	PART.NO	DESCRIPTION	REMARK
	*4-106-868-13	INSTRUCTION MANUAL	(UK) ENGLISH
	*4-106-868-23	INSTRUCTION MANUAL	(AEP) GERMAN/FRENCH/ITALIAN/DUTCH
	*4-106-868-33	INSTRUCTION MANUAL	(AEP) SPANISH/GREEK/PORTUGUESE
	*4-106-868-43	INSTRUCTION MANUAL	(AEP) DANISH/FINNISH/NORWEGIAN/SWEDISH
	*4-106-868-53	INSTRUCTION MANUAL	(AEP) ENGLISH/POLISH/RUSSIAN
	*4-106-868-63	INSTRUCTION MANUAL	(AEP) CZECH/HUNGARIAN/SLOVAK/TURKISH

REMOTE COMMANDER

	1-480-778-11	REMOTE COMMANDER (RM-ED011)	

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